Radio Shack®

THE TECHNOLOGY STORE

Bringing You the Products of Technology for 69 Years

Radio Shack has specialized in electronics since 1921, like no other retailer in the world. Our exclusive brands are made in our 31 factories or custom-manufactured to our specifications, and you'll find customer service and support at 7000 locations. It pays to shop Radio Shack, The Technology Store.

1990 Catalog No. 446

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Radio Shack ...Famous for Over 100 Exclusive Nationally Recognized, Nationally Advertised Brands

Four "Premier" Brands from America's Premier Electronics Retailer

OPTIMUS® For 1990! Introducing a superb new line of audio components engineered, manufactured and tested to bring you state-of-the-art technology and reliability. Choose Optimus for premium quality and finest performance—the brand that is setting new standards in high-tech consumer electronics.

TANDY® By maintaining the highest of standards, we're able to manufacture a line of computers with lasting quality and value. Tandy computers are supported and serviced by the same company that designed and built them. That's why our Tandy computers are the best-selling PC compatibles in America.

REALISTIC® Introduced by Radio Shack in 1956, Realistic is the brand with tens of millions of satisfied owners. Our customers have made Realistic No. 1 in speakers, cassette equipment, citizens band radio, video and a huge assortment of accessories. You see our Realistic equipment in use everywhere.

ARCHER® Archer is No. 1 in sales of TV, FM and CB antennas. Archer is also a favorite choice for signal processors, electricals, tools, parts and hardware. It's the value-priced line offering high dependability—a great price/performance combination. Get on board the Archer line for unbeatable value.

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Radio Shack...The Technology Store℠ Specializing in Electronics for 69 Years

Our Commitment to Quality. Tandy Corporation/Radio Shack operates the largest consumer electronics design and testing organization in the USA. Worldwide, we have 31 plants and seven research centers. Our unique structure gives you real buying advantages. We are the R&D group *and* the factory *and* the store. With our 7000 locations providing customer feedback, we know, more than anyone, how to develop products that meet your expectations and that operate reliably in the "real world". We are customer-driven, and it pays off for you.

Our Commitment to Service. Nobody can match Radio Shack's dedication to backing its products. If equipment you buy from us ever needs repair, just take it to your nearby Radio Shack. You don't need to pack up equipment and ship it off. Service and parts are available through every one of our retail locations, and usually in your own neighborhood. *In 90% of all cases, we'll have your equipment serviced, tested and ready for pickup in 10 days or less.* Service after the sale is just one more reason to choose Radio Shack's famous brands.

Total Support for Home And Business Computing

Tandy computers are ideal for home, business and education, and are backed by unsurpassed service and support. Leasing, network planning and system installation help get you started, while our training programs let you get the most out of your PC. Need help? We can answer questions by phone or via PC-Link Online Service. Each Radio Shack Computer Center also has Systems Engineers for personal assistance. And we service what we sell, at our site or yours.

Our Commitment to Education

SchoolMate Education Network by Tandy

Since 1979, our Education Division has supported Tandy/Radio Shack computers in the classroom. Our exclusive SchoolMate network solution links PC-compatibles throughout a classroom, department or an entire school. Designed with the teacher in mind, easy-to-use SchoolMate comes with built-in productivity tools. Teachers can add courseware from our comprehensive library of educational software.

TSP℠

Extended Buyer Protection Available at Radio Shack Locations Nationwide

Radio Shack's commitment to service includes affordable Tandy Service Plans that extend the normal product warranty period. Convenient and easy to start, plans are available for most products sold through Radio Shack stores. See page 93 for more information, and take the worry out of maintaining your equipment!

EIA, UL and FCC Information

Our membership in the Electronic Industries Association keeps us tuned to the leading edge of technology, helping us to bring you the finest products available.

Our AC-operated products are UL Listed, which means they meet the electrical safety standards set by Underwriters Laboratories.

Tandy computers meet FCC requirements for either home or commercial environments and should be used accordingly. Our telephones, all radio transceivers, and applicable video equipment also meet FCC requirements.

Radio Shack ValuePlus® Credit

Radio Shack The Technology Store™

No Annual Fee To Pay

Our ValuePlus consumer revolving credit program gives you your own personal line of credit exclusively at Radio Shack. Budget your purchases with monthly payments, or pay your balance in full anytime and avoid finance charges for the current billing cycle. Actual payments may vary depending upon your account balance. Details are available at your nearby Radio Shack store or participating Radio Shack Authorized Dealer. Credit options for businesses are available.

Most Locations Also Welcome These Cards

MasterCard · Carte Blanche · American Express · Diners Club · VISA · DISCOVER

ValuePlus Monthly Payment Schedule

New Balance	Payment	New Balance	Payment
$15-300	$15	$640.01-660	$33
$300.01-320	$16	$660.01-680	$34
$320.01-340	$17	$680.01-700	$35
$340.01-360	$18	$700.01-720	$36
$360.01-380	$19	$720.01-740	$37
$380.01-400	$20	$740.01-760	$38
$400.01-420	$21	$760.01-780	$39
$420.01-440	$22	$780.01-800	$40
$440.01-460	$23	$800.01-820	$41
$460.01-480	$24	$820.01-840	$42
$480.01-500	$25	$840.01-860	$43
$500.01-520	$26	$860.01-880	$44
$520.01-540	$27	$880.01-900	$45
$540.01-560	$28	$900.01-920	$46
$560.01-580	$29	$920.01-940	$47
$580.01-600	$30	$940.01-960	$48
$600.01-620	$31	$960.01-980	$49
$620.01-640	$32	$980.01-1000	$50

Minimum monthly payments on balances over $1000 are 1/20 of the highest New Balance on your Account.

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Prices shown are cash prices and subject to change without notice. Prices apply to participating stores in the contiguous USA but may vary from store to store. **Trademark Notice:** Marks in this catalog followed by ®, ™ or ℠ are owned and identify products manufactured by or for Tandy Corporation. Other brand names identify products manufactured by or for vendors whose marks appear on the products or product packaging. The absence of a ® in connection with marks of vendors does not indicate an absence of registration of those marks.

Realistic® Camcorders Keep Your Memories Alive

Easy-to-Use, Feature-Packed VHS MovieCorder™

- **Automatic Focus, Iris and White Balance**
- **Hi-Speed Shutter for Crisp Action Shots**
- **1/2" CCD Image Sensor for Superior Color Reproduction in Low Light Levels (3 Lux)**

NEW FOR '90

899.00

Low As $45 Per Month

Realistic Model 101 MovieCorder. Shoot over two hours in color with sound, then replay instantly through the viewfinder, or on any VCR or TV. Viewfinder displays scenes exactly as they'll appear on your TV, plus tape counter, time and date, which can be superimposed on the tape as you record. Infrared auto-focus assures crisp pictures, auto-iris sets proper exposure, and auto white balance delivers true-to-life color. You can use the manual settings, time-lapse control and positive/negative image switch for creative special effects. Self-timer even lets the cameraman get in the picture. Has 6-1 power zoom lens for wide-angle/telephoto shots, and macrofocus for close-ups to 3/8" away. HQ system enhances picture. You can check the last few seconds of your tape with Instant Review and scan tapes with high-speed forward/reverse visual search. Lens: f 1.2, 9-54 mm zoom with macro. Shutter speeds: 1/500, 1/1000 sec. Tape speed: SP. Size: 9 1/4 x 5 x 14 5/8". Weight: 5.3 lbs. without battery. UL listed AC adapter/charger.
16-802 (TSP available) **899.00**

NEW FOR '90

BONUS! 1.5x Power Telephoto Lens

Only **29.95**

With Purchase Of Camcorder

Save $70 when you buy it with Model 101. Increases camcorder's normal focal range for close-in, candid shots from a distance.
16-2006 ..... **Separately 99.95**

Comes Complete With Hardcase, AC Adapter/Charger, Rechargeable Battery, A/V Output Cable and RF Converter

VHS MovieCorder With "Pro" Editing Features

- **Flying Erase Head for "Glitch-Free" Transitions When Shooting or Editing**
- **Audio/Video Insert Editing ■ Mike Mixing**
- **Built-In Monitor Speaker With Volume Control Eliminates Need for Earphone**
- **8-1 Power Zoom Lens With Macrofocus**

NEW FOR '90

1099.00

Low As $55 Per Month

Realistic Model 125 MovieCorder. Combines ease of use with features for the serious hobbyist. A flying erase head, until recently found only on professional equipment, assures "glitch-free" transitions between adjoining scenes. You can dub a new soundtrack or video images from external sources with audio/video insert editing, and combine audio sources on tape with mike mixing. Has auto focus, iris and white balance for "point-and-shoot" convenience, plus manual settings for fades and other effects. Monitor sound-while-shooting with the built-in speaker. High-speed shutter captures blur-free action shots and 1/2" CCD image sensor delivers brilliant color, even in light levels as low as three lux. HQ system enhances picture clarity. Features 8-1 power zoom lens with macrofocus for wide-angle/telephoto shots and super close-ups. Also has time lapse, positive/negative image, self-timer control, digital tape counter/time/date, still-frame, Instant Review and high-speed forward/reverse visual search. Lens: f 1.2, 11-88 mm zoom with macro. Shutter speeds: 1/500, 1/1000 sec. Tape speed: SP. Size: 9 1/4 x 5 3/8 x 15" Weight: 5.3 lbs. without battery. UL listed AC adapter/charger. **16-825** (TSP available) **1099.00**

Accessories Available on Special Order. (CMC): For 16-802 and 16-825: Remote pause cable, 12VDC cord, 2-hour battery, A/V input cable for dubbing from VCR.

Comes Complete With Hardcase, AC Adapter/Charger, Rechargeable Battery, A/V Output Cable and RF Converter

APPLY FOR YOUR RADIO SHACK VALUEPLUS® CREDIT CARD TODAY AND INCREASE YOUR BUYING POWER

Ultracompact 8mm Camcorder With Hi-Fi Sound

So Small and Light You Can Easily Carry It Anywhere

- Records Up to Two Hours on One Tape The Size of a Cigarette Pack
- Hi-Fi AFM Recording for Superior Sound
- Flying Erase Head Eliminates Visual Noise Between Adjoining Scenes When Shooting or Editing
- Automatic Tracking Control
- Through-the-Lens Digital Auto-Focus

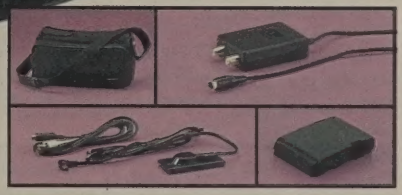
NEW FOR '90

999.00

Low As $50 Per Month

Realistic® Model 151 MovieCorder. Enjoy sensational video quality, enhanced audio quality, ease of use and editing features not available in ordinary camcorders. The 1/2" CCD image sensor and high-speed shutter deliver superb color resolution and picture clarity—even in low light or on fast-action shots. Audio Frequency Modulation recording delivers notably superior hi-fi sound. You'll appreciate the small size (6 × 4 5/8 × 11 7/8") and light weight (2.4 lbs. without battery). Through-the-lens digital auto focus, auto iris and auto white balance (with corresponding manual settings) make taping easy. And, you can edit in-camera with the flying erase head for professional-looking transitions between scenes. Automatic tracking feature eliminates the need for tracking adjustments when playing back tapes made on different machines. Has 8-1 power zoom lens with macrofocus for telephoto/wide-angle and close-up shots, real-time (hour/minute/second) tape counter, still-frame button to "freeze" the action on playback, Instant Review and high-speed forward/reverse visual search. Lens: f 1.6, 8.5-68 mm zoom with macro. Shutter speed: 1/1000 sec. Tape speed: SP. UL listed AC adapter/charger.

16-852 (TSP available) **999.00**



Includes Softcase, AC Adapter/Charger, Rechargeable Battery, A/V Output Cable and RF Converter

Accessories That Will Increase Your Camcorder's Capabilities

Fluid-Head Tripod

89.95

Adjustable Tilt and Pan Tension

Geared Column

Lightweight (4 1/4 lbs.) yet super-sturdy—gives movies a steady, professional look. Has two-way fluid head, quick-release camera mount, rubber feet with retractable spikes. 61" extended, 24" collapsed. **16-2002** **89.95**

Cleaner/Care Kit

4.95

5-Piece Set

Blower brush, cleaning fluid, nine cotton swabs, tissue and chamois cloth for lens and exterior cleaning. **16-2004** . . . **4.95**

Deluxe Hardcase

79.95

Extra Durable

Features heavy foam interior padding, adjustable dividers, lock and two keys. Exterior 13 × 18 1/4 × 6 3/4". **16-2003** . . **79.95**

30-Watt Video Light

159.95

Low As $15 Per Month

NEW FOR '90

Adjustable, mounts on accessory shoe. With battery, UL listed charger. **16-2001** **159.95**

Ni-Cd Batteries

59.95 NEW FOR '90 **29.95**

VHS. Fits Model 100.
23-183 . . . . . **59.95**
8mm. For Model 151.
23-184 . . . . . **29.95**

Low-Cost Softcase

49.95

Rip-Stop Nylon Fabric

Shock-absorbing interior walls, dividers, accessory pocket, tripod/hand/shoulder straps.
16-2005 . . . . . **49.95**

FM Wireless Mike System

69.95

For Clear Audio Up to 200 Ft. Away

Receiver plugs into camcorder mike jack. Requires 2 9V batteries. **32-1226** **69.95**

Top Performing, Easy-to-Use VCRs by Realistic®

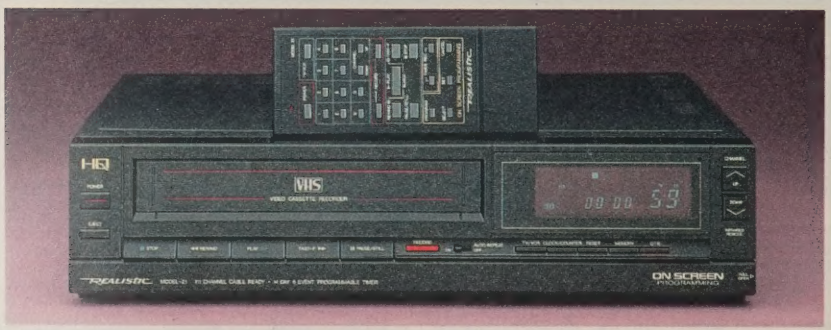
On-Screen Display, Remote, HQ and Fast-Response System

399.95 Low As $20 Per Month

NEW FOR '90

- **Easy-Program 21-Day/6-Event Timer**
- **122-Channel Cable-Compatible Tuner**

Realistic Model 28. Prompts displayed on screen make it simple to program the timer by remote control. You also get faster response to all tape-motion commands. Tuner automatically stores active channels. Quick-Timer recording. HQ for extra picture details. A/V input selector. 3 3/8 × 14 3/16 × 13 3/8". UL listed AC. Remote requires 2 "AAA" batteries. **16-516** (TSP avail.) **399.95**



On-Screen Programming, HQ

349.95 Low As $18 Per Month

- **Full-Function Remote**
- **14-Day/6-Event Timer**
- **HQ for Sharper Video**

Realistic Model 21. The convenience of programming prompts displayed on your TV screen is combined with most-wanted features. Wireless remote and Quick-Timer recording, 110-channel cable-compatible tuner, A/V input selector. 4 × 16 3/4 × 12 1/2". UL listed AC. Remote requires 2 "AAA" batteries. **16-510** (TSP avail.) **349.95**

HQ & Quick-Timer Recording

269.95 Low As $15 Per Month

- **14-Day/4-Event Timer**
- **HQ for Sharper Video**
- **Fluorescent Display**

Realistic Model 26. Even our lowest priced VCR offers you the convenience of wireless remote control and one-touch Quick-Timer recording. Digital 110-channel cable-compatible tuner, A/V input selector. 3 1/2 × 15 1/4 × 13 1/4". UL listed AC. Remote requires 2 "AA" batteries.
16-514 (TSP available) **269.95**

Video to Go! VHS Player Operates on Home AC or Vehicle DC

Easy to Move Room-to-Room

219.95 Low As $15 Per Month

NEW FOR '90

Realistic Model 12. Enjoy video tapes at home, in your car, RV or boat. Operates on AC or on 12VDC with included DC cord. Automatic rewind and shut-off or rewind and replay. Connects to any TV. Also has A/V outputs for hookup to a TV monitor or VCR. 4 7/8 × 11 3/8 × 13 3/8". UL listed AC or 12VDC neg. gnd. **16-405** (TSP available) **219.95**

ALL REALISTIC VCRs INCLUDE THE CABLE REQUIRED FOR HOOKUP TO ANY STANDARD TV SET

Our 4-Head VCRs Give You Super Special Effects

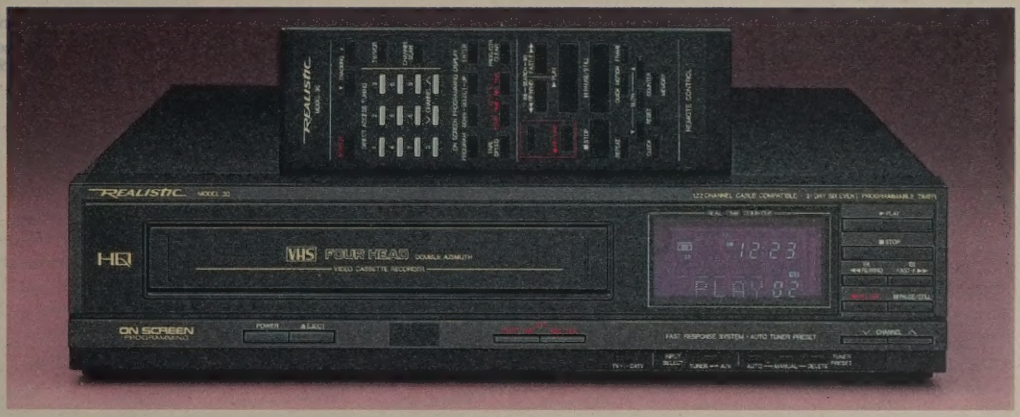
Double-Azimuth Design Boosts Video and Special-Effects Quality

NEW FOR '90

399.95

Low As $20 Per Month

- Improved Video Quality At SP and EP Speeds
- Noiseless Slow-Motion, Fast-Action and Freeze
- On-Screen Display
- Full-Function Wireless Remote Control
- 21-Day/6-Event Timer



Realistic Model 80. This feature-packed VCR gives you easy remote-control programming and superior video performance. The 4-head double-azimuth design improves video quality at SP and EP playback speeds. Also provides special effects with a minimum of video noise. New fast-response system gives you faster reaction to tape-motion commands. Quick-Timer lets you start a timed recording up to four hours long by pressing two controls. The 122-channel cable-compatible tuner automatically stores active channels. Prompts are displayed on screen for easy programming. HQ for improved video sharpness. A/V input selector. 3⅜ × 14 3/16 × 13⅜". UL listed AC. Remote requires 2 "AAA" batteries. **16-518** (TSP available) **399.95**

Digital Picture-in-Picture, Four Heads, HQ, Remote, On-Screen Programming

499.95

Low As $25 Per Month

- Four Heads for Noiseless Effects
- Recall Mode Stores a Still Frame
- Easy Remote Programming
- 1-Year/6-Event Daily/Weekly Timer
- 122-Ch. Cable-Compatible Tuner

Realistic Model 71. The ultimate in VCR special effects! Digital picture-in-picture mode displays images from two different sources simultaneously. You can also store a single frame for later viewing. Four heads provide stable and clear slow motion, fast action and freeze effects. Quick-Timer recording, on-screen programming, HQ. 3½ × 17½ × 13½". UL listed AC. Remote requires 2 "AAA" batteries. **16-652** (TSP Available) **499.95**

Prerecorded VHS Hi-Fi Video Tapes

24.95 Each

NEW FOR '90

See Our VHS Hi-Fi VCRs, Next Page

(1) Canyon Dreams. A spectacular video tour of the Grand Canyon with original music by Tangerine Dream. 40 minutes. **50-3011** **24.95**

(2) Destination Universe. Presents America's past, present and future in space flight. Digital video and audio recording. 50 minutes. **50-3013** **24.95**

(3) The Floating World. Thrill to this breathtaking undersea adventure with a stirring hi-fi stereo soundtrack. 45 minutes. **50-3012** **24.95**

TANDY SERVICE PLAN AVAILABLE FOR ALL REALISTIC VCRs—SEE PAGE 93

Our Best-Ever VCRs! Built-In MTS Stereo-TV Tuners

Four Heads, VHS Hi-Fi, Easy Remote Programming, On-Screen Display

SUN AM 3:35
P D/W START END CH MD
1 MON AM10:30 AM11:00 5 EP
2 MON PM 3:30 PM 4:00 8 SP
3 TUE PM11:00 AM 1:30 5 LP
VHS HI-FI STEREO HQ
ON SCREEN
PLAY
REALISTIC

■ Four-Head Double-Azimuth Design for Superb Video and Special Effects
■ Comb Filter for Super-Accurate Color ■ HQ for a More Detailed Picture

599.95

NEW FOR '90

Low As $30 Per Month

Realistic® Model 46. The VCR with it all. Four heads multiply your video enjoyment and VHS Hi-Fi delivers the ultimate in VCR audio. Hear the difference on prerecorded movies and stereo-TV broadcasts. 169-channel cable-compatible tuner auto-stores active channels. 46-key remote lets you program the 1-year/8-event daily/weekly timer, control all tape functions, even select TV/VCR viewing, SAP, simulcast and audio-out modes. Quick-timer recording, AV input selector. 3¼ × 16⅞ × 13⅝". UL listed AC. Remote requires 2 "AAA" batteries. **16-616** (TSP avail.) **599.95**

VHS Hi-Fi, Quick-Response System, HQ, Remote On-Screen Programming

■ Faster Response on All Tape-Motion Functions ■ HQ Sharpens Picture
■ Watch, Record, Play Back MTS Broadcast Stereo ■ Auto Channel Preset

499.95

NEW FOR '90

Low As $25 Per Month

Realistic Model 45. Hear the sound you've been missing on prerecorded movies and stereo broadcasts. Easy on-screen programming. 21-day/6-event daily/weekly timer. Quick-timer recording. 122-channel cable-compatible tuner with automatic channel storage. Remote controls all major functions, including TV/VCR selection, SAP, audio-out modes. 3⅜ × 17⅜ × 13⅜". Remote requires 2 "AAA" batteries.
16-615 (TSP available) **499.95**

VHS Stereo With Dolby* NR, Remote-Control On-Screen Programming, HQ

■ Watch, Record and Play Back MTS Stereo TV ■ HQ for a Sharper Picture

449.95

Low As $23 Per Month

111-Channel/Cable-Compatible

Realistic Model 34. Outstanding value! Just connect to your stereo system to enjoy MTS stereo-TV sound and SAP (second language) audio where available. Full-function wireless remote. Easy-to-program 14-day/6-event timer with on-screen display. Quick-timer recording. Auto play, rewind and shut off. 3¾ × 16¾ × 12½". UL listed AC. Remote requires 2 "AAA" batteries.
16-704 (TSP available) **449.95**

*TM Dolby Laboratories Licensing Corp.

REALISTIC VCRs INCLUDE RF CABLE AND SPLITTER FOR HOOKUP TO ANY STANDARD TV SET

Handheld Cellular Telephone Keeps You in Touch!

Actual Size

Put the Whole World in Your Hand! Now Make and Take Phone Calls Wherever You Go!

799.00** Low As $40 Per Month
Charging accessories extra

- **One-Piece Design Fits Easily in Your Briefcase—1½" Wide, Weighs 28 Oz.**
- **Talk for Up to 1½ Hours on a Single Charge—Batteries Recharge in One Hour**
- **Includes Rechargeable Battery Pack, Antenna, Carrying Case and Strap**

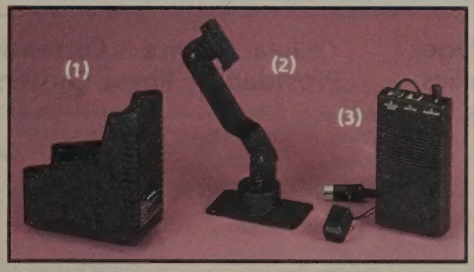
Radio Shack CT-301. A full-featured cellular phone that's completely portable! Stay in touch wherever you go—from your car to job site to pleasure boat. Wherever there's cellular service, you can direct-dial anywhere in the world. Call Europe from a rental car in New York or Dallas from a cable car in San Francisco. The CT-301 frees you from your desk and makes you more productive. You can confirm an appointment during a taxi ride or close a business deal while waiting for a connecting flight. Schedule appointments, prospect for new business and be available for important decisions. The CT-301 is no larger than a cordless telephone and packed with features: 40-number memory, cumulative call-timer, an electronic "lock" to restrict phone use, low-battery warning tone, and indicators for "No Service", "In Use" and "Roam". With 832 channels. 600-milliwatt power output. Requires Charging Stand, plus AC Adapter or Mobile Mounting Kit.
17-1050 (TSP available) **999.00**

Extra Rechargeable Battery Pack.
17-604 . . . . . **64.95**

Make Time Productive And More Profitable When Between Flights

Whether at Work or Play, You Will Never Be Out of Touch!

Cellular Accessories for CT-300/301



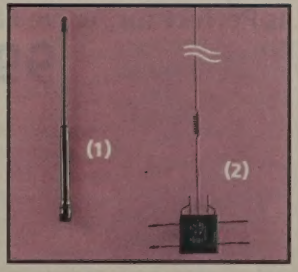
(1) Charging Stand. Recharges battery pack in one hour. Permits operation while charging batteries. Requires AC Adapter or Mobile Mounting Kit. **17-602** **64.95**

AC Adapter. UL listed. **273-1653** **19.95**

(2) Mobile Mounting Kit. Allows installation of Charging Stand in your car. Quick-release design allows easy disconnect of charging stand from the mobile mounting kit. Includes two DC power cords and mounting hardware.
17-603 . . . . . **24.95**

(3) Handsfree Interface. Full duplex operation lets you talk without lifting the handset—you'll drive safer. You can also transfer data by phone using a Tandy 100/102/200/600 portable computer. Requires Charging Stand.
17-601 CMC **69.95***

High-Performance Cellular Antennas for Your Portable Phone



(1) NEW! High-Gain Portable. Use with most portable and transportable cellular telephones. Ideal for fringe service areas. Gain: 3 dB.
17-307 . . . . . **29.95**

(2) NEW! Clip-On Glass-Mount. Installs in seconds on the side window of your car or truck. Removes easily for use on another vehicle or a rental car. Gain: 5 dB.
17-308 . . . . . **69.95**

**SPECIAL PRICE OF $799.00 REQUIRES 90-DAY MINIMUM NEW ACTIVATION WITH RADIO SHACK AUTHORIZED CELLULAR PHONE CARRIER ($999.00 WITHOUT ACTIVATION). SEE STORE FOR DETAILS. *AVAILABLE ON SPECIAL ORDER.

"Go-Anywhere" Transportable Cellular Telephone

Use in Your Car, or Carry It With You!

799.00** Mobile antenna and portable adapter extra

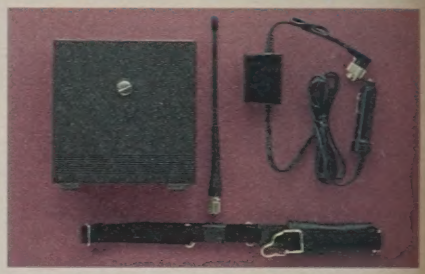
Low As $40 Per Month

- **Quickly Converts From a Mobile Phone to a 3-Watt Transportable**
- **3-Watt Output Is Five Times That of Many Portables**

Radio Shack CT-201. You and your family can stay within easy reach while going to and from the office, shopping, running errands or traveling. Attach the Portable Adapter (at right) and carry the CT-201 with you. Memory stores up to 98 numbers for fast 2-digit dialing. Hi/low power switch limits output in good reception areas. The CT-201 has 832-channel capacity, adjustable handset volume and built-in speaker for "on-hook" dialing. 12VDC neg. gnd. (TSP available)
17-1005 . . . . . **999.00**

Horn Alert Kit. Sounds horn to indicate an incoming call. **17-503 CMC** **39.95***

CT-200/201 Portable Adapter Kit



Lets you use the CT-200/201 at a job site, in a rental car, aboard a pleasure boat—wherever there's cellular service. With antenna, DC power adapter/charger and shoulder strap. Requires two batteries (below). **17-203** **119.95**

Rechargeable Battery. 23-181 . . . . . **Each 10.95**

AC Charger. UL listed. **17-202** **19.95**

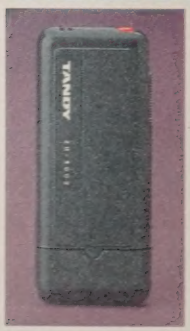
Transportable Accessories

(1) Handsfree/Data Interface. Make and take calls without using or lifting handset. Condenser mike mounts on sun visor. **17-501 CMC** **69.95***

(2) Data Cable Kit. Connects to Interface (above) to transfer data using a Tandy 100/102/200/600 portable computer. **17-502 CMC** **19.95***

(3) Extension Handset. Ideal for van, RV, limo or bus. **17-402 CMC** **199.95***

Tandy® Personal Pocket Pager Is Perfect for Active Families



99.95

Paging service fee extra

- **Affordable Way for Your Family or Office to Contact You**
- **Babysitter Can Reach You**
- **Just 1/2" Thin**
- **Now Available in Most Major Cities**

When you need to stay in touch, but can't stay by the phone, the Tandy Pager is the answer! When your exclusive number is dialed, your pager "beeps" to tell you to call in for the message. Includes batteries. FCC registered.

Extra Batteries. **23-150** . . . . . **Pkg. of 2/1.69**

Cellular Service is Currently Provided By These Carriers:

Advanced Cellular
Aiken-Augusta Cellular
Alltel
Ameritech
Bell Atlantic Mobile
Bell South Mobility
Cellcom
Cellular, Inc.
Cellular South
Centel
Century Cellunet
Commonwealth Mobile Services
Contel
Eau Claire Cellular
Enid Cellular
Graceba Cellular
GTE
Independent Cellular
Laredo Cellular
Lincoln Telephone
Maine Cellular
Mercury Cellular
Metro One
Northwest Cellular
Nynex
Pactel
Public Service Cellular
Radiofone, Inc.
Rochester Telephone
Savannah Cellular
Shoals Cellular, Inc.
LINX
Southwestern Bell
Star Cellular
Unicell
US Cellular
US West
Utica Telephone Co.
West Central Cellular

Radio Mute Switch for Your Car

34.95 Automatically Turns Off Your Car Radio

No more fumbling with knobs! Instantly turns off your car radio or tape deck when you answer a cellular phone call. Easy to install.
17-801 . . . . . **34.95**

Trust Radio Shack to Handle All Details of Your Cellular Start-Up

Radio Shack makes it easy to activate your cellular mobile telephone. We obtain your cellular phone number, program your phone and handle all start-up paperwork right in the store. You'll leave with a cellular phone that's ready for business or personal use.

**SPECIAL PRICE OF $799.00 REQUIRES 90-DAY MINIMUM NEW ACTIVATION WITH RADIO SHACK AUTHORIZED CELLULAR PHONE CARRIER ($999.00 WITHOUT ACTIVATION). SEE STORE FOR DETAILS. *AVAILABLE ON SPECIAL ORDER.

Low-Cost Mobile Phone–Convenience and Safety

Easy to Install, and Transfers Quickly From Vehicle to Vehicle

NEW FOR '90

499.00**

Low As $25 Per Month

- **Full Duplex Handsfree Included —Call Without Lifting Handset**
- **Handset Mounts on Floor or Dash, Transceiver Mounts Under Dash or Seat**

Tandy® CT-102. A small price to pay for the convenience, safety and security you and your family need while on the road. With the CT-102, no one has to drive alone again. If help is needed, the police, a tow truck or medical assistance is just an *in-car* phone call away. The CT-102, a full-featured, full-power cellular mobile phone, is ideal for business, too. You can stay in touch going to and from the office, on a service call or while making a delivery. You'll be able to confirm meetings, appointments and reservations in advance to avoid wasted trips, as well as receive important calls from home, business associates and clients. The CT-102 has 832-channel capacity, a backlighted display and keyboard, 30-number memory and a full-duplex handsfree for making or receiving calls without using or lifting the handset. Built-in speaker/monitor permits on-hook dialing. Full 3-watt output for maximum range and crystal clear reception. Includes mtg. hardware and bracket. 12VDC neg. gnd. Requires your choice of a mobile antenna (below).

17-1076 (TSP available) **699.00**

Make and Take Calls Wherever There's Cellular Service

Your Family Is Never Out of Touch When An Immediate Response Is Vital

Hi-Performance Cellular Antennas

(1) NEW! Clip-On Glass-Mount. Easy to install on the side window of any car. Ideal for portable cellular phones. Gain: 5 dB. **17-308** **69.95**

(2) Roof-Mount. Snap-in mounting. 8-ft. cable and connector. Gain: 3 dB. **17-306** **24.95**

(3) No-Hole Trunk-Mount. Elevated feed design. Installs easily on trunk lid. 12-ft. cable and connector. Gain: 3 dB. **17-303** **59.95**

(4) Glass-Mount. 15-ft. cable and connector. Gain: 3 dB. **17-304** **49.95**

(5) High-Gain Glass-Mount. Delivers improved performance in fringe cellular areas. 15-ft. cable and connector. Gain: 5 dB. **17-305** **64.95**

(6) Magnet-Mount. Mounts on metal roof. 12-ft. cable and connector. Gain: 3 dB. **17-302** **24.95**

(7) NEW! High-Gain Portable. Use with most portable and transportable phones. Gain: 3 dB. **17-307** **29.95**

CT-102 Cellular Telephone Accessories

(1) NEW! PC/FAX Interface. Allows FAX transmission/reception via cellular phone. Also works with a modem for computer data transfer **17-504 CMC** **69.95***

(2) NEW! Wiring Harness/Interface. Lets you mount transceiver in your car's trunk. Interface mounts under dash and includes jacks for telephone handset, handsfree mike and external speaker **17-705 CMC** **39.95***

(3) NEW! Horn Alert Kit. Indicates a call by sounding car's horn. **17-704 CMC** **39.95***

**SPECIAL PRICE OF $499.00 REQUIRES 90-DAY MINIMUM NEW ACTIVATION WITH RADIO SHACK AUTHORIZED CELLULAR PHONE CARRIER ($699.00 WITHOUT ACTIVATION). SEE STORE FOR DETAILS. *AVAILABLE ON SPECIAL ORDER.

Optimus® High-Power Audio/Video Receivers

Dolby/Hall Effect Surround*, Wireless Remote, Audio and Video Dubbing

MAIN AMP: 100 WATTS PER CHANNEL, MINIMUM RMS INTO 8 OHMS FROM 20-20,000 Hz, WITH NO MORE THAN 0.05% THD

SURROUND AMP: 25 WATTS TOTAL, MINIMUM RMS INTO 8 OHMS AT 1 kHz, WITH NO MORE THAN 0.5% THD

NEW FOR '90

549.95

Low As $28 Per Month

- High-Tech Alphanumeric LCD Display
- Precise Digital-Synthesized Tuning
- 30-Station Memory With Preset Scan

Optimus STAV-3200. Discover the all-around perfection of our finest receiver. Dolby Surround provides exciting "movie theater" sound from encoded stereo video tapes and discs. Hall effect recreates the sonic depth and realism of a concert hall from nearly any stereo source. AM/FM stereo tuner with search, pushbutton up/down tuning and 5-step LCD signal-strength meter. Controls for surround volume, loudness, mono-FM mute, sub and hi filters. LEDs for mute, Dolby and Hall. Inputs for CD player, turntable, two tape decks and two VCRs. Video monitor output. Separate terminals for surround speakers. UL listed AC. Remote requires 2 "AA" batteries. **31-3020** (TSP available) . . . **549.95**

AMPLIFIER. Response: 20-20,000 Hz ± 1 dB. **S/N:** 85 dB phono, 95 dB aux. **Phono Equalization:** RIAA ± 2 dB. **FM TUNER. Sensitivity (IHF):** 1.7µV (9.8 dBf). **S/N:** 72 dB **Capture Ratio:** 2.5 dB. **IF Rejection:** 85 dB. **Stereo Harmonic Distortion:** 0.4%. **Channel Separation (at 1 kHz):** 45 dB. **Size:** 4½ × 17¼ × 13¾".

30-Station Memory With Preset Scan, Audio and Video Dubbing, IR Remote

100 WATTS PER CHANNEL, MINIMUM RMS INTO 8 OHMS FROM 20-20,000 Hz, WITH NO MORE THAN 0.05% THD

NEW FOR '90

499.95

Low As $25 Per Month

- Digital-Synthesized Tuner With High-Tech Alphanumeric Metal LCD Display
- 5-Segment LCD Signal-Strength Meter
- Dual 7-Segment LED Power Output Meters
- Wireless Remote for Armchair Operation

Optimus STAV-3100. A powerhouse combination of features and convenience. Tune up and down the FM and AM bands with the wireless remote or manually with the feather-touch controls. Or, use the search mode to scan to the next available station. Matrix surround makes 4-speaker listening more exciting on any source. Controls for dual tape dubbing and monitoring, plus video dubbing, loudness, tone defeat, mono-FM mute, sub and hi filters. LED indicators for volume muting and power stand-by. Inputs for turntable, CD player, two tape decks and two VCRs. Video monitor output. UL listed AC. Remote requires 2 "AA" batteries. **31-3017** (TSP available) **499.95**

AMPLIFIER. Response: 20-20,000 Hz ± 1 dB. **S/N:** 85 dB phono, 95 dB aux. **Phono Equalization:** RIAA ± 2 dB. **FM TUNER. Sensitivity (IHF):** 1.7µV (9.8 dBf). **S/N:** 72 dB. **Capture Ratio:** 2.5 dB. **IF Rejection:** 85 dB. **Stereo Harmonic Distortion:** 0.4%. **Channel Separation (at 1 kHz):** 45 dB. **Size:** 4½ × 17¼ × 13¾".

PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS. *TM DOLBY LABORATORIES LICENSING CORP.

The New Standard in Affordable High-Fidelity

Radio Shack, The Nationwide Leader in Electronics Since 1921, Presents Its Newest Line of Top-Quality, Feature-Packed Stereo Components

OPTIMUS®

Optimus brand audio equipment from Radio Shack offers you the very best in high-fidelity audio products. These components team up with our nationally famous Optimus brand speakers, which have been known for their excellent sound and outstanding value for more than two decades. Every Optimus component represents the latest in technology, features, styling and the highest quality standards in consumer electronics.

High-Technology Home Entertainment

The rock-solid foundation that the Optimus brand evolves from allows these new products to maintain very high standards of dependability, while incorporating the latest state-of-the-art innovations. You get the most exciting features, convenience and ease of operation, plus long-term reliability. For premium quality and performance, choose Optimus—setting new standards in audio and video home entertainment.

Buy a System and Save! Choose the Components and Features You Want

SYSTEM

Save $110.80 **899.00**

Reg. Separate Items 1009.80

Low As $45 Per Month

- Optimus STAV-3200 Digital A/V Receiver
- Two Optimus-950 3-Way Speakers
- LAB-460 Belt-Drive Automatic Turntable

SYSTEM

Save $140.70 **1239.00**

Reg. Separate Items 1379.70

Low As $62 Per Month

- Optimus STAV-3200 Digital A/V Receiver
- Two Optimus-1050 Digital-Ready Speakers
- LAB-2250 Turntable ■ 10-Band Equalizer
- SCT-88 Cassette Deck With Dolby HX Pro*

Save $190.65 SYSTEM **1649.00**

Reg. Separate Items 1839.65

Low As $83 Per Month

- Optimus STAV-3200 Digital A/V Receiver
- Two Mach-Two Digital-Ready 3-Way Speakers
- CD-1600 Programmable CD With Remote
- SCT-84 Logic-Controlled Dubbing Cassette
- 10-Band EQ With Spectrum Display ■ Rack

SYSTEM

Save $100.80 **859.00**

Reg. Separate Items 959.80

Low As $43 Per Month

- Optimus STAV-3100 Digital A/V Receiver
- Two Optimus-950 3-Way Speakers
- LAB-460 Belt-Drive Automatic Turntable

SYSTEM

Save $120.75 **1079.00**

Reg. Separate Items 1199.75

Low As $54 Per Month

- Optimus STAV-3100 Digital A/V Receiver
- Two Optimus-1050 Digital-Ready Speakers
- LAB-2250 Computer-Controlled Turntable
- SCT-87 High-Speed Dubbing Cassette Deck

Save $180.65 SYSTEM **1529.00**

Reg. Separate Items 1709.65

Low As $77 Per Month

- Optimus STAV-3100 Digital A/V Receiver
- Two Mach-Two Digital-Ready 3-Way Speakers
- CD-1700 Programmable CD With Remote
- SCT-85 4-Track High-Speed Dubbing Cassette
- 10-Band EQ With Spectrum Display ■ Rack

TURNTABLES INCLUDE BASE, DUST COVER AND CARTRIDGE. *TM DOLBY LABORATORIES LICENSING CORP.

High-Power, Digital-Synthesized Stereo Receivers

100 Watts, AM/FM With 24-Station Memory and Video Dubbing

100 WATTS PER CHANNEL, MINIMUM RMS INTO 8 OHMS FROM 20-20,000 Hz, WITH NO MORE THAN 0.05% TOTAL HARMONIC DISTORTION

429.95 Low As $22 Per Month

NEW FOR '90

Available Oct. 30, 1989

- Memory Stores 16 FM and Eight AM Stations
- Audio Tape Control Center for 2-Way Dubbing And 2-Deck Monitoring
- "Surround" Control for Enhanced Listening

Optimus® STAV-3000. Perfect high-power partner for your audio/video system. Has loudness control to enhance bass at low volume, hi-blend to cut hiss on weak FM stereo signals, FM muting and an FM mono button. Hi-filter cleans up record scratch. Subsonic filter cuts power-robbing distortion. Has "surround" control—just add rear speakers to enjoy the exciting surround-sound effect from any sound source. Dual 7-step output power meters, rotary bass, midrange and treble controls. Inputs: CD/aux, magnetic phono, two VCRs, two tape decks. Video monitor output. **31-3008** (TSP available) **429.95**

SPECIFICATIONS: AMPLIFIER. Response: 20-20,000 Hz ± 1 dB. **S/N:** 85 dB phono, 95 dB aux. **Phono Equalization:** RIAA ± 2 dB. **FM TUNER. Sensitivity (IHF):** 1.7 µV (9.8 dBf). **S/N:** 72 dB. **Capture Ratio:** 2.5 dB. **Selectivity:** 60 dB. **Image Rejection:** 70 dB. **IF Rejection:** 85 dB. **Stereo Harmonic Distortion:** 0.4%. **Channel Separation (at 1 kHz):** 45 dB. **SIZE:** $4^{5}/_{8} \times 17^{5}/_{16} \times 13^{3}/_{4}$".

100 Watts, 24-Station Memory and Easy-to-Read LCD Digital Display

100 WATTS PER CHANNEL, MINIMUM RMS INTO 8 OHMS FROM 20-20,000 Hz, WITH NO MORE THAN 0.3% TOTAL HARMONIC DISTORTION

359.95 Low As $18 Per Month

NEW FOR '90

- Memory Stores 16 FM and Eight AM Stations For One-Touch Instant Recall
- Dual 5-Step Output Power Meters
- Feather-Touch Tuning Controls

Optimus STA-2160. Tune up and down the FM and AM bands with feather-touch controls and store stations in memory at one touch of a button. Has pushbutton loudness, FM muting, FM mono and tape monitor controls, plus rotary bass and treble controls. LCD digital display shows tuning mode and frequency, plus memory preset number. With "surround" control, you can enjoy the exciting surround-sound effect from any sound source—just add rear speakers. Inputs: CD/aux, magnetic phono, video sound source, tape deck. **31-3004** (TSP available) **359.95**

SPECIFICATIONS: AMPLIFIER. Response: 20-20,000 Hz ± 1 dB. **S/N:** 85 dB phono, 100 dB aux. **Phono Equalization:** RIAA + 2 dB. **FM Tuner. Sensitivity (IHF):** 2.8 µV (14.2 dBf). **S/N:** 70 dB. **Capture Ratio:** 2.5 dB. **Selectivity:** 60 dB. **Image Rejection:** 75 dB. **IF Rejection:** 85 dB. **Stereo Harmonic Distortion:** 0.5%. **Channel Separation (at 1 kHz):** 43 dB. **SIZE:** $4^{5}/_{16} \times 16^{1}/_{2} \times 13^{7}/_{16}$".

OPTIMUS RECEIVERS ARE UL LISTED AC FOR ELECTRICAL SAFETY AND FULLY PROTECTED AGAINST OVERHEATING AND OVERLOAD

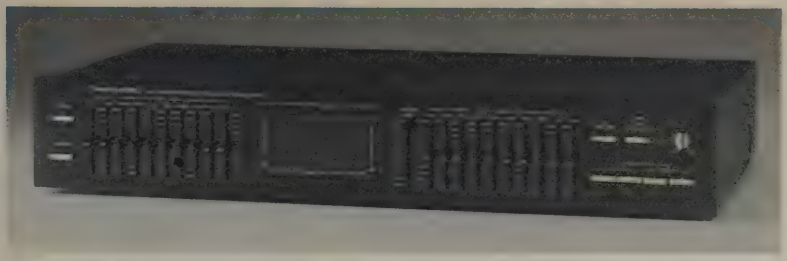
Equalizers/Expanders for "Live-Concert" Sound

Ten Bands and Spectrum Display

139.95

Low As $15 Per Month

90-LED, 3-Color Display Shows the Sound "Shape" As You Make Adjustments



Built-in IMX™ Stereo Expander electronically widens the soundstage for a thrilling "live" quality. Twenty narrow-band controls boost or cut response up to 12 dB. Built-in tape control center. EQ, record and bypass buttons. 2⅝ × 16⅛ × 8½". UL listed AC.
31-2020 (TSP available) **139.95**

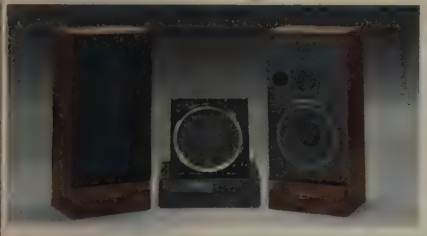
Ten Bands and Stereo Expander

79.95

Twenty Narrow-Band Controls Give You Full Tonal Command

Hear sound from between *and beyond* your speakers with the IMX Stereo Expander. Boost or cut response up to 12 dB for "customized" sound with the linear-sliding controls. EQ button, tape monitor and bypass control. 2⅝ × 16½ × 8½". UL listed AC.
31-2018 (TSP available) **79.95**

Save on High-Performance Matched Component Stereo Systems



Save 90.80 Reg. Separate Items 889.80 — SYSTEM **799.00**

- Optimus STAV-3000 AM/FM Stereo Receiver
- LAB-460 Direct-Drive Automatic Turntable
- Two Optimus-950 3-Way Speaker Systems

Save 130.75 Reg. Separate Items 1259.75 — SYSTEM **1129.00**

- Optimus STAV-3000 AM/FM Stereo Receiver
- SCT-88 Cassette Deck With Dolby HX Pro*
- CD 1700 Digital Compact Disc Player
- Two Optimus-1050 Digital-Ready Speakers

Recordings not included

Save 180.65 Reg. Separate Items 1719.65 — SYSTEM **1539.00**

- Optimus STAV-3000 AM/FM Stereo Receiver
- CD 1600 Digital Compact Disc Player
- SCT-84 Dual-Cassette Deck ■ Audio Rack
- 10-Band EQ/Expander With Spectrum Display
- Two Mach Two® 3-Way Speaker Systems

Save 70.80 Reg. Separate Items 689.80 — SYSTEM **619.00**

- Optimus STA-2160 AM/FM Stereo Receiver
- LAB-340 Belt-Drive Turntable With Preamp
- Two Optimus-650 3-Way Speaker Systems

Save 100.75 Reg. Separate Items 969.75 — SYSTEM **869.00**

- Optimus STA-2160 AM/FM Stereo Receiver
- LAB-460 Direct-Drive Automatic Turntable
- SCT-87 Cassette Deck With Dolby B NR
- Two Optimus-950 3-Way Speaker Systems

Recordings not included

Save 140.65 Reg. Separate Items 1359.65 — SYSTEM **1219.00**

- Optimus STA-2160 AM/FM Stereo Receiver
- SCT-85 High-Speed Dual-Cassette Deck
- CD 2400 Compact Disc Player ■ Audio Rack
- 10-Band Stereo Equalizer/Expander
- Two Optimus-1050 Digital-Ready Speakers

IMX IS A TRADEMARK OF SCI-COUSTICS, INC. / *TM DOLBY LABORATORIES LICENSING CORP.

Great Values in Stereo Components and Systems

AM/FM Stereo Receiver With 18 Memory Presets

199.95

Low As $15 Per Month

50 WATTS PER CHANNEL, MINIMUM RMS INTO 8 OHMS FROM 40-20,000 Hz, WITH NO MORE THAN 0.5% TOTAL HARMONIC DISTORTION

Stores Favorite Stations for Instant Recall, Anytime ■ LCD Digital Display

Realistic* STA-785. Step up to power and performance at low cost. Digital-synthesized tuner features a search mode to scan the FM and AM bands. The system stops at each station and locks it precisely on-frequency. Memory presets for 12 FM and six AM stations. Feather-touch control bar makes manual tuning equally simple. FM muting silences noise between stations while tuning. Also has loudness control for enhanced bass at low volume, and 5-LED output power meter. FM stereo, memory, tuning and function LEDs. Inputs for magnetic phono, tape in/out, TV/Aux, CD/Aux. 3⅝ × 17 × 9¾". UL listed AC.
31-2069 (TSP available) **199.95**

Save $70.75 **SYSTEM**

Reg. Separate Items 649.75

579.00

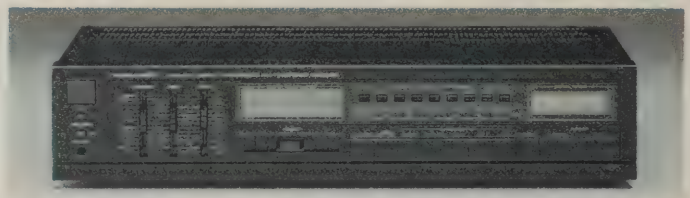
Low As $29 Per Month

- **Realistic STA-785 AM/FM Stereo Receiver**
- **SCT-85 Dubbing Stereo Cassette Deck**
- **LAB-340 Belt-Drive Automatic Turntable**
- **Two Nova®-16 2-Way Bass-Reflex Speakers**

AM/FM Stereo Receiver With One-Touch Tuning

159.95

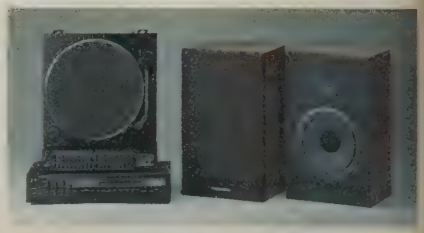
Low As $15 Per Month



30 WATTS PER CHANNEL, MINIMUM RMS INTO 8 OHMS FROM 40-20,000 Hz, WITH NO MORE THAN 0.5% TOTAL HARMONIC DISTORTION

Memory Stores Twelve FM and Six AM Stations ■ LCD Digital Display

Realistic STA-130. Digital-synthesized precision and convenience at a low, low price. You can scan up and down the FM and AM bands to find new stations, tune manually, and program stations in memory for instant recall at a later time. Easy-to-read LCD digital display. FM muting eliminates tuning noise between stations. Loudness control for enhanced bass at lower volume settings. Also features a 5-LED output power meter and FM mono/stereo control. FM stereo, memory, tuning and function LEDs. Inputs for magnetic phono, tape in/out, TV/Aux, CD/Aux. UL listed AC. **31-2066** (TSP available) **159.95**



Save $50.75 **SYSTEM**

Reg. Separate Items 449.75

399.00

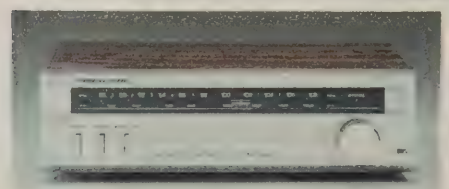
Low As $20 Per Month

- **Realistic STA-130 AM/FM Stereo Receiver**
- **Ten-Band EQ with IMX* Stereo Expander**
- **LAB-340 Belt-Drive Automatic Turntable**
- **Two MC-1800 2-Way Walnut Veneer Speakers**

Stereo Mini Amplifier

59.95 **Use With Tuner Below Or Other Components**

Realistic SA-150. Use with stereo tuner, tape deck or a record changer. Has mono/stereo button, tone control and ¼" headphone jack. 2½ × 9 × 6". UL listed AC. **31-1955** (TSP available) **59.95**



AM/FM Stereo Mini Tuner

59.95 **Fits Almost Anywhere**

Realistic TM-150. Phase-locked loop circuitry for top performance. With stereo/mono switch, FM stereo LED, illuminated tuning dial. Built-in FM and AM antennas, terminals for external FM antenna. 2½ × 9 × 6". UL listed AC.
31-1956 (TSP available) **59.95**

Stereo Micro Amplifier

29.95 **The Ideal Component For Background Music**

Realistic SA-10. A real space-saver! Features inputs for ceramic phono, tuner or tape deck. Stereo/mono button, separate left/right channel volume controls, tone control. 3¼ × 7⅞ × 5½". UL listed AC. **31-1982** **29.95**

*TM DOLBY LABORATORIES LICENSING CORP. / IMX IS A TRADEMARK OF SCI-COUSTICS, INC.

Optimus® and Realistic® Turntables and Changer

Computer-Controlled—Our Best

NEW FOR '90

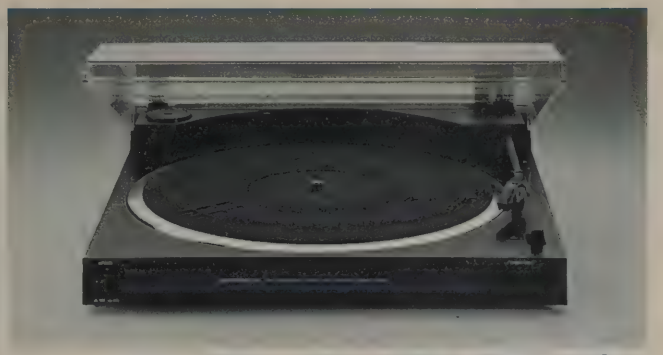
149.95

Low As $15 Per Month

- **Linear-Tracking Straight-Line Tonearm Plays Records the Way They Were Cut for Superior Sound**
- **Programmable Repeat**

Includes Audio-Technica Dual-Magnet Cartridge

Optimus LAB-2250. Optimus brings you "pro" features at an affordable price. A microprocessor keeps the stylus precisely angled for cleaner sound and longer record life. Tracks at less than 1½ grams. Auto-start and shutoff. Pushbutton controlled tonearm cueing and positioning. Auto speed and record size selection. Neon strobe for pitch control. Brushless DC servo motor. LEDs for repeat, 33⅓ and 45-RPM speeds. Rumble: −55 dB. Wow and Flutter: 0.1%. 45-RPM adapter. 3 13/16 × 14 3/16 × 13 3/4". UL listed AC. **42-2921** (TSP available) **149.95**



Automatic Turntable With Belt Drive

NEW FOR '90

119.95

Low As $15 Per Month

- **Straight-Line Tonearm for Precise Linear Tracking**
- **Auto Arm Return/Shutoff**
- **Neon Strobe** ■ **Pitch Control**

Includes Audio-Technica Dual-Magnet Cartridge

Optimus LAB-460. Important features, high reliability and excellent stereo at a great price! Belt-drive for quiet, dependable operation. Soft-touch controls located on front panel for easy operation. Damped cueing sets tonearm gently on record. Has built-in anti-skate system, 33⅓ or 45-RPM selector and anti-static mat. Neon strobe with pitch control for precise speed adjustments. 45-RPM adapter. Rumble: −55 dB. Wow and Flutter: 0.1%. 3½ × 13¾ × 13 5/8". UL listed AC.
42-2920 (TSP available) **119.95**

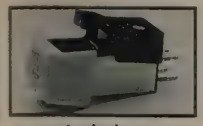
Belt-Drive Semi-Automatic Turntable

NEW FOR '90

89.95

Switchable Preamp To Match Any Input

- **Damped Cue Lever Sets Tonearm Gently on Records**
- **Automatic Arm Return and Shutoff**



Includes Audio-Technica Dual-Magnet Cartridge

Realistic LAB-340. Stereo preamp matches equipment having ceramic phono, aux and tape inputs. Belt-drive for quiet and dependable operation. Straight-line tonearm provides precise tracking with low distortion. Anti-skate control. Built-in strobe light and pitch control. Pushbutton selector for 33⅓ or 45-RPM. Rumble: −55 dB. Wow and flutter: less than 0.15%. Anti-static mat. 45-RPM adapter. 4 3/8 × 13 3/4 × 13 3/4". UL listed AC.
42-2919 (TSP available) **89.95**

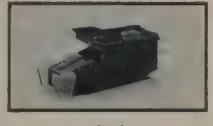
Belt-Drive Automatic Changer

99.95

Low As $15 Per Month

Switchable Preamp To Match Any Input

- **Auto-Glide Spindle Lets You Stack Up to Four Records**
- **Damped Cueing for Smooth Tonearm Control**



Includes ADC Induced Magnet Cartridge

Realistic LAB-89. Upgrade your system the inexpensive way. Switchable preamp matches magnetic cartridge to systems having only ceramic phono or aux inputs. Belt-drive for quiet operation plus a DC motor for precise speed control. Automatic arm return and shutoff. Straight-line arm is factory-balanced and has a cue lever. Slide-action selector for 33⅓ or 45-RPM. Plays 7, 10, and 12-inch records. 45-RPM adapter. 5 5/8 × 15 × 13 1/8". UL listed AC.
42-2986 (TSP available) **99.95**

ALL OF OUR TURNTABLES AND CHANGERS INCLUDE BASE, DUST COVER AND CARTRIDGE—NO EXTRAS TO BUY

Stereo Dual-Cassette Decks–Versatility and Quality

Logic-Controlled Hi-Speed Deck With Auto-Reverse

259.95 Low As $15 Per Month

- **Synchro-Start Dubbing**
- **Dolby* B-C NR**
- **Auto Tape Selector**
- **Fine-Bias Control**

Realistic® SCT-84. Auto tape selector senses type of tape and sets the proper bias for best possible sound from all recordings. Fine-bias control lets you tune bias current for individual tapes. Synchro-start begins dubbing with just one button. Deck 2 is a recorder/player with instant auto-reverse. Deck 1 plays metal/CrO_2/normal tapes. Dolby B-C NR reduces hiss, extends dynamic range. Sequential playback, auto-stop, record mute button.
14-646 (TSP available) **259.95**

Response: ±3 dB: 20-17,000 Hz (metal), 20-16,000 Hz (CrO_2/Hi-Bias/Type II), 20-15,000 Hz (normal/Type I). **Wow and Flutter:** 0.06% WRMS. S/N: 70 dB Dolby C; 62 dB Dolby B ("A" weighted, metal tape). **Distortion:** 1.0% 3rd HD. **Record/Play Head:** Permalloy. **Erase Head:** Ferrite. **Size:** 5 × 16 15/16 × 12 9/16".

4-Track Hi-Speed Synchro-Dubbing

199.95 Low As $15 Per Month

NEW FOR '90

- **Copies Your Personal Tapes Four Times Faster**
- **Dolby B-C Noise Reduction**

Optimus SCT-85. Copies both tape sides at once, at twice the normal speed—you'll dub cassettes four times faster than usual! Also copies a single side twice as fast, or at normal speed for monitoring dubs. Synchro start makes it easy. Dolby B-C NR cuts tape hiss and extends dynamic range. Continuous mode auto-plays two tapes in sequence. Features metal/CrO_2/normal tape selector, auto-stop, pause controls, dual record level controls/LEDs, 1/4" mike and headphone jacks. UL listed AC. **14-650** (TSP available) **199.95**

Response: ±3 dB: 60-14,000 Hz (metal), 60-13,000 Hz (CrO_2/Hi-Bias/Type II), 60-12,500 Hz (normal/Type I). **Wow and Flutter:** 0.15% WRMS. S/N: 70 dB Dolby C; 62 dB Dolby B ("A" weighted, metal tape). **Distortion:** 1.2%. **Record/Play Head:** Permalloy. **Erase Head:** Ferrite. **Size:** 4 5/8 × 16 1/2 × 8".

Hi-Speed Dubbing and Dolby B-C NR

179.95 Low As $15 Per Month

- **Synchro-Start Hi-Speed Dubbing**
- **Sequential/Continuous-Play Mode**
- **Soft-Touch Controls**

Realistic SCT-74. Just a light finger-touch is all it takes! High-speed dubbing works in half the normal time. Play-only deck-1 delivers superb stereo sound. Deck-2 is a recorder/player with optimum recording features. Dolby B-C noise reduction extends dynamic range, cuts tape hiss. Features metal/CrO_2/normal tape bias selection, auto-stop, pause controls. Record level controls, power/record LEDs, 3-digit tape counter, 1/4" mike and headphone jacks. UL listed AC.
14-649 (TSP available) **179.95**

Response: ±3 dB: 60-14,000 Hz (metal), 60-12,500 Hz (CrO_2/Hi-Bias/Type II), 60-10,000 Hz (normal/Type I). **Wow and Flutter:** 0.12% WRMS. S/N: 70 dB Dolby C; 62 dB Dolby B (ref. 3.0% distortion, "A" weighted, metal tape). **Distortion:** 1.0% 3rd HD. **Record/Play Head:** Permalloy. **Erase Head:** Ferrite. **Size:** 4 5/16 × 16 9/16 × 8 1/4".

Hi-Speed Dubbing With Dolby B

149.95 Low As $15 Per Month

NEW FOR '90

- **Synchro-Start**
- **Soft-Touch**
- **Sequential-Playback Mode**
- **Two-Color LED Peak Meters**

Optimus® SCT-87. Bringing you higher quality without a higher price. Lets you start high-speed dubbing with the touch of just one button, and copies personal tapes in half the normal time. Continuous mode auto-plays two tapes in sequence. Dolby B extends dynamic range, cuts tape hiss. Auto-stop, metal/CrO_2/normal tape bias selectors, pause control. Record level controls, power/record/hi-speed dub LEDs, 10-LED recording level meters, 1/4" mike and headphone jacks. UL listed AC. **14-655** (TSP available) **149.95**

Response: ±3 dB: 60-14,000 Hz (metal), 60-13,000 Hz (CrO_2/Hi-Bias/Type II), 60-12,500 Hz (normal/Type I). **Wow and Flutter:** 0.12% WRMS. S/N: 64 dB Dolby on (ref 3.0% distortion, "A" weighted, metal tape). **Distortion:** 1.5%. **Record/Play Head:** Permalloy. **Erase Head:** Ferrite. **Size:** 4 5/8 × 16 1/2 × 7 7/8".

*TM DOLBY LABORATORIES LICENSING CORP.

Value-Packed Optimus® and Realistic® Stereo Decks

Auto-Reverse Deck With Spectacular Dolby HX Pro*

NEW FOR '90

199.95

Low As $15 Per Month

Available Sept. 30, 1989

Superb Deck for Recording Digital Audio

Optimus SCT-88. Introducing a deck for perfectionists! Dolby HX Pro greatly improves sound by recording more signal without "tape saturation" distortion. And since it's not an encoding system, you can enjoy your tapes on *any* deck. Has 0.3-second reverse for nearly inaudible change of tape sides. Programmable play for continuous auto-reverse, auto-reverse or single side. Full logic controls, cue/review audible search to help find selections fast, auto tape bias selector and bias fine-tuning control. Headphone and mike jacks. **14-656** (TSP available) **199.95**

Response: ±3 dB: 20-18,000 Hz (metal), 20-17,000 Hz (CrO_2/Hi-Bias/Type II), 20-16,000 Hz (normal/Type I). **Wow and Flutter:** 0.065% WRMS. S/N: 78 dB Dolby C; 65 dB Dolby B (metal tape). **Distortion:** 1.0% 3rd HD. **Record/Play Head:** Permalloy. **Erase Head:** Double gap ferrite. **Size:** 5 × 17 × 9¼".

Compact Playback Decks Add Cassette Capability to Your Stereo System

99.95

Especially Nice for Small Systems In Office, Dorm or Bedroom

Realistic SCP-32. A deluxe deck for tight spaces! Auto-reverse plays both sides of tape without interruption—perfect for background music at parties, in small offices, or just for relaxation. Dolby B noise reduction cuts tape hiss and extends dynamic range. Metal-CrO_2/normal bias selector. 4⅝ × 8¼ × 5¾". UL listed AC.
14-600 (TSP available) **99.95**

Realistic SCP-31. Low-cost way to add cassette capability to your existing stereo system, or use in your office or dorm room where space is tight. Auto-stop protects tapes and player's mechanism. Metal-CrO_2/normal bias selector for best sound. 4¾ × 8¼ × 5¾". UL listed AC.
14-647 (TSP available) **49.95**

49.95

Stereo 8-Track Tape Playback Deck

59.95

Continue To Enjoy All Your Old Favorites!

Don't let your cartridges gather dust—hear them come alive again! Features automatic or manual program change, output level control to match any amplifier, and LED program indicators. It's just the thing for dubbing personal 8-track tapes onto cassettes. Walnut vinyl. 4 × 10 × 7". UL listed AC.
14-935 (TSP available) **59.95**

Cassette/Audio Control Centers

25.95

Give Your Receiver or Amp 3 Tape Inputs/Outputs

Great for home studios! Monitor, record and dub with up to three tape decks. Connects to tape monitor jacks for easy operation. Ends patch cord swapping. 2¼ × 6¼ × 4¾".
42-2115 . . . . . **25.95**

NEW FOR '90

14.95

Play Three Stereo Sources With One Aux Input

Simplifies hook-up problems! Expand your amplifier/receiver auxiliary input for added versatility and end troublesome cable swapping. Simple to use—three selector buttons. 2¼ × 6¼ × 3½". **42-2110** **14.95**

OUR TAPE DECKS INCLUDE CABLES FOR HOOKUP TO ANY SYSTEM WITH STANDARD TAPE-IN OR AUX JACKS

Discover Realistic® High-Performance CD Players

359.95

Low As $18 Per Month

Digital Stereo With an Extra Dimension of Convenience!

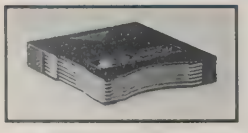
Remote-Control CD Changer—Plays Up to Six Compact Discs Automatically

- **Just Load Compact Discs Into the Included Magazine**
- **Plays All Discs or You Can Program Up to 32 Selections From the Six Discs to Play in Any Sequence You Desire**
- **Infrared Remote Lets You Pause, Program, Repeat Play, Search and Shift Display Modes From Across a Room**

Realistic CD-6000. Enjoy an entire evening of music without changing discs! A heavily cushioned deck mechanism, 2-times oversampling and our proven Tri-Spot laser system assure top-flight sound and performance. Three-way repeat function gives you the choice of replaying all loaded discs, your programmed selections or a single selection. A dual-mode LED digital display makes programming or changing your program quick and easy. Display also shows status and elapsed playing time for each track. Auto-search music system and bidirectional audible search help you locate selections quickly. Remote requires 2 "AAA" batteries. UL listed AC.
42-5020 (TSP available) **359.95**

SPECIFICATIONS. Frequency Response: 5-20,000 Hz +0.8, −0.5 dB. **S/N:** 90 dB. **Dynamic Range:** 90 dB. **Harmonic Distortion:** 0.009% at 1 kHz. **Wow and Flutter:** Below measurable limits. **Sampling Frequency:** 44.1 kHz. **Oversampling:** 2 times. **Signal Processing Rate:** 88.2 kHz. **Size:** 3½ × 16½ × 13¼".

Extra Magazines—Store and Protect Your CDs



Extra magazines help keep your compact discs safe and let you have them loaded up, ready for play. For use with Realistic changer and compatible with Pioneer changers using the JD-M100 cartridge.
42-1000 . . . . . **17.95**

Enjoy Digital Stereo Anywhere With Our Portable CD Player

219.95

Low As $15 Per Month

- **Add Stereo Headphones, Play Through Home Stereo With Included Patch Cord Or Use Optional Car Cassette Adapter**
- **Plays Up to 16 Selections In the Order You Select**

Realistic CD-3200. State-of-the-art digital stereo to go! Has Tri-Spot laser system for accurate tracking and 2-times oversampling for superior sound. Multifuntion LCD display. Auto-search and bidirectional audible search. Built-in battery compartment and charging circuit for Ni-Cd batteries. Includes shoulder strap. Requires 6 "AA" batteries or AC or DC adapter, headphones. **42-5011** (TSP available) **219.95**

SPECIFICATIONS. Frequency Response: 20-20,000 Hz +0.5, −1.5 dB. **S/N:** 80 dB. **Dynamic Range:** 75 dB. **Harmonic Distortion:** 0.05% at 1 kHz. **Wow and Flutter:** Below measurable limits. **Sampling Frequency:** 44.1 kHz. **Oversampling:** 2 times. **Signal Processing Rate:** 88.2 kHz. **Size:** 1⅝ × 5½ × 6½".

Hear Your Favorites on Compact Disc

NEW FOR '90

9.95 Each

They Never Sounded Better!

Greatest Hits by Ray Charles. Sixteen songs including "I Can't Stop Loving You," "Hit the Road Jack," "Georgia On My Mind," "Here We Go Again," "Busted." **51-5011** **9.95**

15 Super Oldies. Exciting sounds from the past. Artists include James Brown, Fats Domino, Tommy Roe, Del Shannon, Bill Haley, Ventures, Dee Clark, Classics 4, Frankie Ford, Tune Weavers and others. **51-5012** **9.95**

Automotive CD Bracket

24.95 NEW FOR '90

For Portable CD Players

Holds portable CD securely. Damping action resists vibration. Adjustable mounting angle. With hardware.
42-3050 . . . . . **24.95**

Superb Stereo Entertainment That Can't Be Beat

Remote-Control CD Player With Music Calendar Display

249.95 Low As $15 Per Month

- **Special "Music Calendar" Display Shows Your CD Program at a Glance**
- **Remote Lets You Play, Pause, Search, Repeat Play, Program and Shift Display Modes From Across the Room**

Realistic CD-1600. Deluxe CD player combines superb performance and incredibly easy operation. In addition to a 6-digit LCD display, there's a 16-window Music Calendar indicator that makes programming a breeze. Memory stores up to 16 selections for playback in the order you choose. Two-times oversampling, heavily cushioned deck mechanism and proven Tri-Spot laser system assure top performance. You also get 3-way repeat, bidirectional audible search. Remote requires 2 "AAA" batteries. UL listed AC. **42-5010** (TSP available) **249.95**

SPECIFICATIONS. Frequency Response: 5-20,000 Hz +0.5, −1.0 dB. **S/N:** 90 dB. **Dynamic Range:** 90 dB. **Harmonic Distortion:** 0.05% at 1 kHz. **Wow and Flutter:** Below measurable limits. **Sampling Frequency:** 44.1 kHz. **Oversampling:** 2 times. **Signal Processing Rate:** 88.2 kHz. **Size:** 2¾ × 14¼ × 11½".

Our Lowest Priced CD Player With Wireless IR Remote

229.95 Low As $15 Per Month

- **Play, Pause, Repeat, Program and Search With the Remote Control**
- **Stores Up to 16 Selections in Memory For Playback in Any Sequence**
- **Repeat Selections or Entire Disc**

Realistic CD-1700. Start enjoying digital audio today with this full-featured player. You'll have the convenience of remote control, the superior sound of 2-times oversampling, and the accuracy of our Tri-Spot laser tracking system. Auto-search music system and dual-speed audible search give you rapid access to selections. An 8-digit LCD display indicates number of tracks and play time of a disc when you load, then shifts to current track and elapsed time during play. Remote requires 2 "AAA" batteries. UL listed AC. **42-5014** (TSP available) **229.95**

SPECIFICATIONS. Frequency Response: 5-20,000 Hz +0.5, −1.0 dB. **S/N:** 90 dB. **Dynamic Range:** 90 dB. **Harmonic Distortion:** 0.05% at 1 kHz. **Wow and Flutter:** Below measurable limits. **Sampling Frequency:** 44.1 kHz. **Oversampling:** 2 times. **Signal Processing Rate:** 88.2 kHz. **Size:** 3 × 11 × 13¼".

Our Most Affordable Gives You Superb Digital Sound And All the Basic Features

199.95 Low As $15 Per Month

- **Program Up to 15 Selections to Play in Any Sequence You Choose**
- **Bidirectional Auto-Search Gives You Quick Access to Selections**

Realistic CD-2400. Incredibly pure sound and simple operation at a value-packed low price! Features Tri-Spot laser tracking system to assure precise operation. The 4-digit LED display indicates number of selections and total playing time when you load a disc, then shifts to current selection number and elapsed time during play. LED play, program and repeat indicators simplify programming. Audible search helps you find specific selections fast. Three-way repeat play. UL listed AC. **42-5009** (TSP available) **199.95**

SPECIFICATIONS. Frequency Response: 5-20,000 Hz +0.5, −1.0 dB. **S/N:** 90 dB. **Dynamic Range:** 90 dB. **Harmonic Distortion:** 0.01% at 1 kHz. **Wow and Flutter:** Below measurable limits. **Sampling Frequency:** 44.1 kHz. **Signal Processing Rate:** 44.1 kHz. **Size:** 3 × 13¾ × 9¾".

REALISTIC CD PLAYERS INCLUDE AN AUDIO CABLE FOR CONNECTION TO YOUR STEREO SYSTEM

Realistic® and Optimus®—The Best Sound Around

Our Best! Superb Digital-Ready 3-Way Liquid-Cooled Speaker System For Bass You Can Actually Feel

259.95 Each Low As $15 Per Month

- **Huge 15" Woofer Pumps Out Incredible Bass**
- **5" Midrange**
- **4" Dual Radial Super Horn Tweeter**
- **Liquid Cooled System**

Realistic Mach Two®. The perfect choice for use with today's digital audio sound systems. A high-compliance woofer and tuned-port enclosure team up for incredible wall-shaking bass. The midrange driver delivers smooth and lifelike sound while the wide-dispersion horn tweeter delivers clean, detailed highs for extraordinary stereo imaging. Ferrofluid cools both the midrange and tweeter to increase power handling capacity. Level controls let you adjust the midrange and tweeter output to match room acoustics. Removable cloth grille. Oiled walnut finish. **40-4032** . . . . . **Each 259.95**

Response: 25-40,000 Hz. **Power Handling Capacity:** 160 watts. **Sensitivity:** 94 dB (SPL at 1 watt/1 meter). **Impedance:** 8 ohms. **Size:** 27 1/2 × 17 3/4 × 11 1/4".

Bass-Reflex 3-Way Speaker System With Massive 15" Woofer For Deep, Accurate Bass

NEW FOR '90

199.95 Each Low As $15 Per Month

- **Digital-Ready for Advanced Audio Systems**
- **Powerful Bass**
- **5" Midrange Driver**
- **3" Cone Tweeter for Clear Highs**

Optimus-1050. Exciting high-fidelity sound and high power capacity without the high price. Efficient bass-reflex design coupled with a powerful 15 inch woofer for rich, solid bass response. Add a midrange driver engineered for smooth, natural sound plus a cone tweeter with crisp highs, and you have a speaker with qualities usually found only in much higher priced systems. Full 100-watt power handling capacity for handling the wide dynamic range of digital audio systems. Furniture-grade oiled walnut finish. Removable cloth grille. **40-1131** . . . . . **Each 199.95**

Response: 55-20,000 Hz. **Power Handling Capacity:** 100 watts. **Sensitivity:** 90 dB (SPL at 1 watt/1 meter). **Impedance:** 8 ohms. **Size:** 29 3/4 × 17 3/4 × 12".

APPLY FOR REVOLVING CREDIT TODAY AND INCREASE YOUR BUYING POWER—SEE PAGE 3

3-Way, Bass-Reflex Speakers for Great Listening

Full-Range Speaker With 12″ Woofer

NEW FOR '90

169.95 Each

Low As $15 Per Month

■ 5″ Midrange Driver ■ 3″ Cone Tweeter ■ Tuned-Port Design

Optimus-950. Designed to handle today's advanced digital equipment. Combination of a high-compliance woofer and tuned-port design delivers a deep, solid bass. A dynamic midrange delivers clear, lifelike mid-frequency tones for enjoyable listening. The 3″ cone tweeter completes the system by bringing out sharp, detailed highs. A great addition to your stereo component system. Genuine oiled walnut veneer finish with removable cloth grille.

40-1122 . . . . . **Each 169.95**

Response: 55-20,000 Hz. **Power Handling Capacity:** 100 watts. **Sensitivity:** 90 dB (SPL at 1 watt/1 meter). **Impedance:** 8 ohms. **Size:** 30¼ × 14¼ × 11¼″.

Value-Priced 3-Way Speaker System

119.95 Each

Low As $15 Per Month

■ 10″ Woofer ■ 4″ Midrange ■ Liquid-Cooled 3″ Tweeter

Realistic Optimus-650. Efficient bass-reflex design and a high-compliance woofer team up for excellent low-end frequency response. Extended-range ferrofluid tweeter delivers crystal-clear highs. Midrange driver provides smooth mid-frequency coverage and combines with the woofer and tweeter for an overall smooth, natural sound. A good speaker at a great price. Genuine oiled walnut finish, removable cloth grille. Spring terminals for easy hookup.

40-1101 . . . . . **Each 119.95**

Response: 60-20,000 Hz. **Power Handling Capacity:** 100 watts. **Sensitivity:** 91 dB (SPL at 1 watt/1 meter). **Impedance:** 8 ohms. **Size:** 26¾ × 12¼ × 9½″.

5-Year Limited Warranty on Speaker Systems at No Extra Cost

Realistic MC series, Nova, Minimus-7/77/26/18/0.3/2.5, Optimus and Mach Two speaker systems are warranted against defects for five years from the date of purchase. Within this period Radio Shack will repair the equipment without charge for parts and labor. Simply *bring in your sales slip* as proof of purchase date to your Radio Shack store. Warranty does not cover equipment subjected to misuse or accidental damage. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Power Rating Information

The figures stated with Realistic speakers indicate the speaker may be used with equipment delivering up to the stated (RMS) continuous power per channel, driven to clipping 10% of the time, on normal source material.

High-Quality Speaker Systems to Fit Every Budget

Bass-Reflex 2-Way Speaker System

79.95 Each NEW FOR '90

- 8" Long-Throw Woofer
- 2½" Tweeter
- Genuine Walnut Finish

Realistic Nova®-16. Perfect for dorms and apartments! Delivers excellent sound, can be used on shelf or floor and is very moderately priced. Tuned-port enclosure combined with a high-compliance woofer provides smooth, extended low-frequency response. The 2½" wide-dispersion tweeter delivers a superior stereo image. Response: 65-20,000 Hz. Power handling capacity: 60 watts. 18½ × 10¼ × 7½". **40-4036** **79.95**

Acoustic Suspension 2-Way System

59.95 Each

- 8" Long-Throw Woofer
- 2½" Cone Tweeter
- Genuine Walnut Finish

Realistic MC-1800. Value-priced system excellent for use as main speakers or as extensions. High-compliance woofer delivers an extended-range bass response. Wide-dispersion tweeter for crisp, accurate highs and excellent stereo imaging. Response: 70-20,000 Hz. Power handling capacity: 50 watts. Removable cloth grille for custom installations or easy cleaning. 17¾ × 10⅞ × 6⅞". **40-1992** **59.95**

Compact 2-Way Speaker System

34.95 Each NEW FOR '90

- 5" Long-Throw Woofer
- 2½" Tweeter
- Acoustic Suspension
- Walnut Vinyl Finish

Realistic Minimus-26. Small in size, yet this sealed-enclosure system delivers bass with "punch." Frequency response: 90-20,000 Hz. Power handling capacity: 40 watts. Removable cloth grille. Recessed spring terminals for mounting on flat surface. 11 × 6¾ × 4⅜". **40-226** **34.95**

Versatile Minimus® Extension Speakers

Low As 14.95 Each

- A Shape 'n Size for Every Place
- Choose a Pair for Stereo Sound That's Easy on Your Budget

(1) Realistic Minimus-18. Features 4" driver for full-range response. Spring terminals. Walnut vinyl veneer. 10 watts. 9⅞ × 5¾ × 4¾". **40-222** **24.95**

(2) Realistic Minimus-3. Extension speaker with big 5" driver gives you solid bass response. Walnut vinyl veneer. 7 watts. 10 × 8½ × 5½". **40-913** .. **15.95**

(3) Realistic Minimus-0.3. Cube speaker with 3" full-range driver. Walnut vinyl veneer. 7 watts. 4 × 4 × 3⅜". **40-1250** **14.95**

(4) Realistic Minimus-2.5. Ideal extension speaker for TV. 4" driver. Walnut vinyl veneer. 10 watts. 6⅝ × 4⅞ × 4⅛". **40-1999** **19.95**

Personal Stereo Speaker

9.95

- Micro Size
- Plugs Into Earphone Jack

Listen to your personal stereo or portable CD player in stereo, without headphones! 1½" speakers. Plugs into any ⅛" headphone jack. 3⅛ × 3¼ × 1¼". **40-155** **9.95**

Piezo Super-Tweeter

12.95 Each

Parallel Hookup—No Crossover Needed

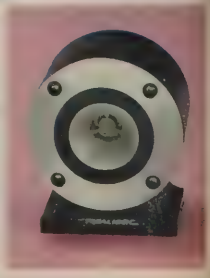
Response to 27,000 Hz. Sensitivity: 96 dB (SPL at 1 watt/1 meter). Power handling capacity: 75 watts. 3½" square. **40-1380** **12.95**

Dynamic Super-Tweeter

21.95 Each

- Great for Digital Use
- Up to 40,000 Hz

Built-in crossover. Sensitivity: 96 dB (SPL at 1 watt/1 meter). Power handling capacity: 50 watts. 3⅞" diameter. **40-1310** **21.95**



NOMINAL IMPEDANCE OF ALL REALISTIC SPEAKER SYSTEMS IS 8 OHMS

Big Sound From Little Speakers–Minimus® Series

Popular 2-Way Mini System in Wood or Metal Enclosure

- Long-Excursion 4" Woofer
- 1" Dome Tweeter

Low As **49.95** Each

(1) (2) Realistic Minimus-7. One of our most popular speakers! Only 7 1/16" high, yet delivers excellent bass and crisp, dazzling highs! Ideal speaker for bookshelf at home, office or dorm. Perfect for surround-sound use. Rigid die-cast metal enclosure. Hanger slot for wall mounting. Handles 40 watts. 7 1/16 × 4 7/16 × 4 5/16". Your choice of two decorator colors.

NEW! White 40-2045 ..... **Each 49.95**
Original Black, 40-2030 ..... **Each 49.95**
Mounting Brackets. For (1) and (2). **40-2031** ..... **Pair 17.95**

(3) Realistic Minimus-7W. Same great features as above, except in genuine oiled walnut finish (not vinyl or plastic). Removable cloth grille. 8 × 5 × 4 5/8". **40-2039** ..... **Each 59.95**

2-Way System in Die-Cast Aluminum Enclosures

79.95 Each

NEW FOR '90

- 5" Woofer and Solid Aluminum Die-Cast Enclosure Combine for Super Bass
- Soft-Dome Wide-Dispersion Tweeter For Excellent Imaging

Realistic Minimus-77. This incredible 2-way mini system delivers excellent bass and crisp highs. A super "universal" speaker for vehicle and bookshelf at home or office! Also great monitor speaker for singing groups. With keyhole slot and recessed spring terminals for wall mounting. Response: 50-20,000 Hz. Power handling capacity: 60 watts. 9 1/4 × 5 15/16 × 4 3/8". **White, 40-2055. Black, 40-2054** **79.95**
Mounting Brackets. 40-2053 ..... **Pair 19.95**

Mini System Ideal for Home or Automobile

23.95 Each

- 3" Driver
- Compact Size
- 5 3/4" High
- Big Sound

Realistic Minimus-3.5. High-density molded enclosure for extended bass response. Power capacity: 15 watts. Steel grille. Spring terminals. 5 1/4 × 3 5/8 × 3 1/8". **40-1996** **23.95**
Mounting Brackets. 40-1997 ..... **Pair 11.95**

Versatile Swivel Stand

9.95 Each

NEW FOR '90

- Handsome Woodgrain Finish
- Steel Ball Bearings
- Turns a Full 360°

Great for positioning speakers, TVs, computer monitors, heavy plants—anything you want to be able to rotate for better access. Hundreds of uses! Even works on most types of carpeted floors. 1 1/8 × 15 3/4 × 11 3/4". **42-3033** **9.95**

Deluxe Speaker Stands

34.95 Pair

Dramatically Improves Sound of Most Speakers

Elevates your speakers off the floor and properly angles them for an instant and dramatic sound improvement. Also helps improve stereo imaging. Sturdy construction with stylish black matte finish. 7 1/2 × 13 1/16 × 10 1/8".
40-1266 ..... **34.95**

Audio Rack

NEW FOR '90 **119.95**

Low As $15 Per Month

Available Sept. 30, 1990

Display your equipment beautifully! Two fixed shelves and three adjustable shelves provide the versatility needed for multiple-component systems. With wooden top, full-length glass door and casters. Walnut-grained vinyl veneer. 45 1/2 × 20 1/2 × 18 1/2".
42-3031 ..... **119.95**

Recordings and equipment not included

High-Power Remote-Control Stereo Rack Systems

120-Watt Amplifier, Hi-Speed Dubbing, Digital Tuning, Equalizer, 15" Woofers

799.95 Low As $40 Per Month

- Wireless Remote Control
- Five-Band Equalizer
- Dual Cassette Deck With Auto-Reverse
- Digital Synthesized Tuner
- Separate Turntable
- LED Spectrum Analyzer
- Three-Way Speakers

Realistic® System 1210. Superb high-power sound and the convenience of remote control. Select from 10 memory stations, tune up/down manually, adjust or mute volume from your chair. LCD frequency display. Dual deck copies personal tapes at high or normal speed and plays two tapes in sequence. Records directly from FM stereo, AM, turntable and two aux inputs or "live" if you add mikes. Synchro-start for easy dubbing, Dolby* B NR and auto-reverse on playback. Two-speed belt-drive turntable has cue lever, auto arm return, magnetic cartridge. Each speaker has a 15" woofer, 4" midrange and 3" tweeter in a 36"-high enclosure with oak-grained vinyl finish. Matching vinyl-coated rack with tempered glass door, hinged cover, casters. UL listed AC. **13-1235** (TSP available) **799.95**

AMPLIFIER. 120 watts per channel, minimum rms into 8 ohms from 40-20,000 Hz, with no more than 0.9% THD. **SPEAKER SIZE:** 35⅝ × 16⅝ × 11½" **RACK SIZE:** 36 × 18⅜ × 16½" **EXTERNAL CONNECTIONS:** FM antenna, two aux inputs, ¼" stereo headphone jack, two ¼" mike jacks. Remote requires 2 "AA" batteries. *TM Dolby Laboratories Licensing Corp.

100-Watt Amplifier, High-Speed Dubbing, Digital Tuning, Equalizer and 12" Woofers

NEW FOR '90

649.95 Low As $33 Per Month

- Wireless Remote Control
- Three-Way Speakers
- Digital Synthesized Tuner With 10 Memory Presets
- Dual Cassette With Hi-Speed and Normal Dubbing
- Five-Band Equalizer
- LED Power Output Meter

Realistic System 1010. Extra value in a powerful "everything" system! Select memory stations, adjust or mute volume and turn system on/off from across a room. LCD frequency display. Dual cassette deck copies personal tapes in half the normal time and auto-plays two tapes in sequence. Synchro-start system, Dolby* B NR on playback. Records directly from FM stereo, AM, turntable, two aux inputs or "live" if you add mikes. Two-speed belt-drive turntable has cue lever, auto arm return, magnetic cartridge. Each speaker has 12" woofer, 4" midrange and 3" tweeter in a 36 1/16"-high enclosure with oak-grained vinyl finish. Matching vinyl-coated rack with tempered glass door, hinged cover, casters. UL listed AC. **13-1234** (TSP available) **649.95**

AMPLIFIER. 100 watts per channel, minimum rms into 8 ohms from 40-20,000 Hz, with no more than 0.9% THD **SPEAKER SIZE:** 35⅝ × 16⅝ × 11½" **RACK SIZE:** 36 × 18⅜ × 16½" **EXTERNAL CONNECTIONS:** FM antenna, two aux inputs, ¼" stereo headphone jack, two ¼" mike jacks. Remote requires 2 "AA" batteries. *TM Dolby Laboratories Licensing Corp

All New! Realistic® Dual-Cassette Stereo Systems

Remote Control, Digital Tuning, 5-Band Equalizer and High-Speed Dubbing

NEW FOR '90

349.95

Low As $18 Per Month

- Wireless Remote Control
- Digital Tuning With 20 Memory Presets
- Copies Personal Tapes at Normal or High Speed
- Built-In 5-Band Equalizer

LCD Frequency Display

Realistic System 210. Most-wanted features! The 6-key remote lets you tune up/down, adjust or mute volume and turn the system on/off from your chair. LCD frequency display. Auto-search tuning. Record directly from radio, turntable or CD/aux input, and add mikes for "live" recordings. Synchro-start for easy dubbing. Tape counter and full auto-stop. Belt-drive turntable with automatic arm return and shutoff. 1/8" stereo headphone jack. Each speaker has a 6 1/2" two-way driver in a 28"-high enclosure with walnut-vinyl finish. Matching rack with easy-rolling casters. UL listed AC. Remote requires 2 "AA" batteries. **13-1236** (TSP available) **349.95**

Super Value in a Complete Stereo Rack System

- Power Amplifier With Slide-Action Volume, Balance and Tone Controls
- Duplicates Your Personal Cassettes And Plays Two Tapes in Sequence

NEW FOR '90

219.95

Low As $15 Per Month

Pushbutton Function Selectors and LED Mode Indicators

Realistic System 110. Records great-sounding tapes directly from FM stereo, AM, turntable or CD/aux input while you listen—and you can add mikes for "live" stereo tapes. Auto-level recording. Two-speed semi-automatic turntable has belt drive, cue lever, hinged cover. 1/4" stereo headphone jack. Each speaker has a 5" dynamic driver in a 27 1/8"-high enclosure with walnut-vinyl finish. Matching rack, 27 1/8 × 16 1/16 × 13 9/16". UL listed AC. **13-1239** (TSP available) **219.95**

Compact Stereo System With Turntable

NEW FOR '90

179.95

Low As $15 Per Month

Dual-Cassette Dubbing Deck

- Copy Personal Tapes, Play Two in Sequence
- Built-In Two-Speed Belt-Drive Turntable

Clarinette®-124. Budget-priced performer offers good sound with easy operation—and it fits almost anywhere. Synchro-start makes dubbing easy. Record directly from FM stereo, AM or turntable while you listen. Turntable has a hinged dust cover. Front-panel 1/4" stereo headphone jack. Each speaker has a 5" dynamic driver in 15 1/4"-high enclosure. 4 7/8 × 15 1/4 × 14 5/8". UL listed AC. **13-1237** (TSP available) **179.95**

Stereo Phono Cartridges and Replacement Styli

V15 Type RS—The Ultimate Stereo Cartridge

- 5-30,000 Hz Frequency Response
- Precise High-Frequency Tracking

79.95

Realistic/Shure V15 Type RS Cartridge. Upgrade to the best for less! This cartridge brings new brilliance to records with its ultrawide response, 30 dB channel separation and advanced design. Hyperelliptical stylus. Tracks at only 1.25 to 1.75 grams. Dynamic stabilizer and viscous damping for stylus protection and smooth tracking, even on warped records. **42-2800** **79.95**

Hi-Value Hi-Fi

19.95

Realistic/Shure R25XT Cartridge

Elliptical diamond stylus. 20-20,000 Hz. Tracks 2.5-3.5 grams. **42-2777** **19.95**

Quality Sound

26.95

Realistic/Shure R47XT Cartridge

Like R25XT, but with 1.75-2.25 gr. tracking. **42-2778** **26.95**

Light Tracking

29.95

Realistic/Shure RXP3 Cartridge

Elliptical diamond stylus. Tracks 1.25 gr. P-mount. **42-2790** **29.95**

Top Performer

49.95

Realistic/Shure RTX6 Cartridge

Elliptical diamond stylus. Tracks 1.25-1.75 gr. 25 dB sep. **42-2795, 49.95**

Diamond Replacement Styli for Realistic/Shure Cartridges

14.95

R3X

For R25, Shure M71 and M75ECS-series cartridges. **42-2780** **14.95**

17.95

R5X

Replaces R47, Shure M70 and M75 series. **42-2781** **17.95**

19.95

RS3P

Replaces RXP3 stylus and Shure M92E, M99E, M104E. **42-2791, 19.95**

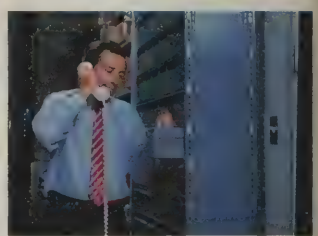
24.95

R8X

Replaces R1000, Shure M90, M75, T-2 series. **42-2783** **24.95**

We Can Get Those Hard-to-Find Styli And Cartridges

Hundreds Of Types Available



NO EXTRA CHARGE FOR THIS SERVICE!

Our "Hotline" Service can deliver most replacement styli and cartridges to your nearby Radio Shack store fast! If the type you need isn't shown here, ask your Radio Shack store manager to order it for you.

R500DJ Stylus

Realistic/Stanton

19.95

Diamond elliptical stylus. For RS500DJ cartridge, shown at right. **42-2793** **19.95**

"Pro" DJ Cartridge

Realistic/Stanton RS500DJ Cartridge

29.95

Ideal for DJ use. 2-5 gram tracking. 20-20,000 Hz response. **42-2794** **29.95**

RSK8C Stylus

10.95

Diamond conical for QLM30 and ADC K-series phono cartridges. **42-2771** **10.95**

RT1500 Stylus

19.95

Diamond elliptical. Tracks at 1-1.5 gr. For RX1500, right, AT-102P, 102, 112, 122EP. **42-2776** **19.95**

RX1500 Cartridge

29.95

Diamond elliptical stylus. Tracks at 1-1.5 grams. 15-25,000 Hz. **42-2775** **29.95**

RS50E Stylus

19.95

Diamond elliptical stylus for ADC, QLM34 MK III, P32 and K5E. **42-2759** **19.95**

PS-203 Stylus

5.95

Diamond. For Radio Shack Clarinette 14/15/16 and #13-1117/1118. Type #7848-D. **42-2797** **5.95**

DAT-2 Stylus

11.95

Diamond conical for Pickering V15/AT-1/2, KLH and similar types. **42-2484** **11.95**

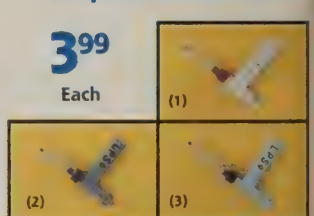
Economy Cartridge

16.95

Magnetic cartridge with diamond conical stylus. 3.5 gram tracking. 20-20,000 Hz. **42-2772** . . **16.95**

Superb Values in Diamond Stylus Replacements

3.99 Each



Shadowgraphed for Uniform Quality and Response

(1) RS-166. For BSR cartridge or stylus no. SC7M, SC8M, ST-16, ST17 and ST-21. **42-2892** **3.99**

(2) RS-98. For Tetrad cartridge or stylus no. 51D, 52D, 53D, 54D, 61D, 62D, 63D, 64D, A-1, A-2, A-3, B-1, B-2, B-3, B-4, T5HD, 20HD. **42-2802** **3.99**

(3) RS-127. For Tetrad cartridge or stylus no. 40D, 41D, 42D, 43D, 44D, 20D, 21-D, 220, 23D, 24D, C-01, 2 and 3, T3, 30 MD. **42-2841, 3.99**

ALL STEREO PHONO CARTRIDGES ON THIS PAGE ARE OF MOVING-MAGNET DESIGN

We Have the Audio Cables and Adapters You Need

Gold-Plated Patch Cable

Low Loss

9.95

Our best! Shielded stereo patch cable with gold-plated phono connectors and heavy-duty extra-rugged cable for best performance. 3½ ft.
42-2601 . . . . . 9.95

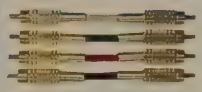
Gold-Plated Extension

NEW FOR '90

9.95

Shielded patch cable extender with gold-plated phono plugs on one end, gold-plated jacks on the other. 3 ft. **42-2602** 9.95

Gold-Plated Cable Set



NEW FOR '90

16.95

Set of four 3-ft. shielded audio cables. Gold-plated plug at each end. Heavy-duty low-loss cable.
42-2603 . . . . . 16.95

Gold-Plated "Ribbon"

16.95

NEW FOR '90

Shielded 4-plug patch cable with gold-plated phono connectors and heavy-duty low-loss cable. Ideal for tape deck hookup. **42-2604, 16.95**

Dual Patch Cable

Low As **6.99**

Shielded

Color-coded phono plugs.
3-Ft. 42-2354 . . . . . 6.99
6-Ft. 42-2355 . . . . . 8.89

Audio Cable Set

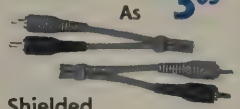
5.69 Set Of 4

Shielded

Fully shielded to prevent hum pickup. 3 feet long.
42-2309 . . . . . 5.69

Patch Cables

Low As **3.69**



Shielded

Feet	Cat. No.	Each
3	42-2351	3.69
6	42-2352	4.39

Patch Extension

3.79 Shielded

Two phono plugs at one end, two jacks at other. 3 ft.
42-2353 . . . . . 3.79

Y Adapters

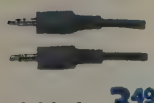
Low As **2.99**

NEW FOR '90

Shielded

NEW! ⅛" jack to two ⅛" plugs. **42-2158** 2.99
¼" jack to two ¼" plugs. **42-2156** 3.59

6-Ft. Cable



Shielded **3.49**

With stereo ⅛" plug at each end.
42-2387 . . . . . 3.49

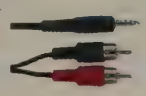
Dubbing Cords

(1) Low As **3.39** (2)

(1) Attenuating with ⅛" plugs. 6½ ft.
42-2152 . . . . . 3.39
(2) Phono to ⅛" plug. 6 ft. **42-2461** . . 3.89

Mini Ys

Low As **4.39**



Stereo ⅛" plug to two phono plugs.
3-ft. 42-2475 . . 4.39
6-Ft. 42-2481 . . 4.99

DIN Cable

4.99

Shielded 6-ft. cable with 5-pin male DIN connector at each end.
42-2151 . . . . . 4.99

Stereo Y

5.95

Record from headphone jack. Stereo ¼" plug to two phono plugs. 6-ft., shielded.
42-2474 . . . . . 5.95

FM Antenna

2.99

Dipole with spade lugs to connect to receiver's 300-ohm FM input.
42-2385 . . . . . 2.99

Cables With ⅛" Mini Plugs

■ 6-Ft.
■ Shielded

Fig	Description	Cat. No	Each
1	⅛" Plug to ⅛" Phone Plug	42-2420	2.35
2	⅛" Plug to ⅛" Jack	42-2472	3.25
3	⅛" Plug to Phono Plug	42-2444	2.05
4	⅛" Plug to Alligator Clips	42-2421	2.35
5	⅛" Plug to Stripped Ends	42-2434	2.35
6	⅛" Plug to Stereo ¼" Plug	42-2157	3.99

Cables With Phono Connectors

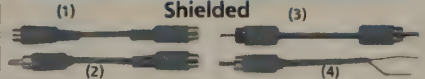
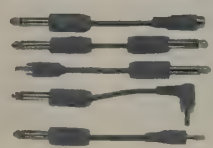


Fig	Description	Feet	Cat. No	Each
1	Phono Jack to Phono Jack	6	42-2358	2.55
2	Phono Plug to Phono Jack	3	42-2361	2.29
2	Phono Plug to Phono Jack	6	42-2362	2.45
2	Phono Plug to Phono Jack	12	42-2363	3.29
3	Phono Plug to Phono Plug	1½	42-2365	1.79
3	Phono Plug to Phono Plug	3	42-2366	1.89
3	Phono Plug to Phono Plug	6	42-2367	2.45
3	Phono Plug to Phono Plug	12	42-2368	3.49
4	Phono Plug to Tinned Wire	3	42-2370	1.69
4	Phono Plug to Tinned Wire	6	42-2371	1.95
4	Phono Plug to Tinned Wire	12	42-2372	2.29

Cables With ¼" Plug



Low As **2.89**

Shielded

Fig.	Description	Feet	Cat. No	Each
1	¼" Plug to Phono Jack	6	42-2377	2.95
2	¼" Plug to ¼" Plug	6	42-2381	3.35
3	¼" Plug to Phono Plug	6	42-2373	3.25
4	¼" Plug to 90° Phono Plug	6	42-2440	2.89
5	¼" Plug to ⅛" Mini Plug	6	42-2433	2.95

Phono Plug Y Adapters

Low As **2.29**

Shielded ■ Ideal for Custom Hookups

(1) Two phono plugs connected to one phono jack with 4"-long cables. **42-2435** 2.79
(2) One phono plug connected to two phono jacks with 3"-long cables. **42-2436** 2.69
(3) Two phono plugs connected to one phono plug with 4"-long cables. **42-2438** 2.29

Mike Cable Extensions

Shielded

5.99

4.29

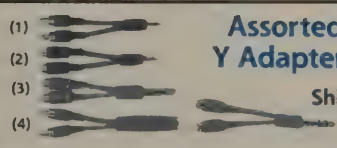
25-Ft. ¼" plug to ¼" jack. **42-2379** 5.99
12-Ft. ¼" plug to ¼" jack. **42-2378** 4.29

Guitar Cords

6.99 Shielded **4.99**

Retracts from 15 ft. to 3 ft. Straight ¼" plug to 90° ¼" plug. **42-2473** 6.99
12 ft. long. 90° ¼" plugs. **42-978** 4.99

Assorted Y Adapters

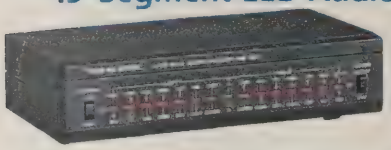


Shielded

(1) Two phono plugs to monaural ⅛" plug. 9" cables. **42-2153** 2.29
(2) One monaural ⅛" plug to two phono jacks. 9" cables. **42-2154** 2.29
(3) Two phono jacks to one monaural ¼" phone plug. 5¾" cables. **42-2150** 2.29
(4) Stereo ¼" jack/2 phono plugs. **42-2471, 3.79**
(5) Two phono jacks to one stereo ¼" plug. **42-2477** 2.59

Everything You Need in CD and Phono Accessories

15-Segment LED Audio Power Meter



24.95

Dual Power! 2-Watt and 200-Watt

Continuously monitors amplifier output to speakers. Helps prevent power overload. Features 15 fast-response left and right-channel LED indicators, and range control switch. Springclip terminals for easy connection to your system. 2 × 5¾ × 3". UL listed AC. **42-2107** **24.95**

Electronic Stereo Reverb System

59.95

Adds Dimension to Your Stereo System

Features adjustable mike mixing input for great sing-along effects. Depth and delay controls plus reverb record and tape monitor buttons. Reverb expander enhances spacial effect. ¼" mike jack, power-on LED. 2 × 8¼ × 5¾". Simulated woodgrain. UL listed AC. **42-2108** **59.95**

Budget CD Cleaner

4.95 NEW FOR '90

Keeps CDs sounding like new. Removes dirt, fingerprints. With base, cleaning pad and fluid. **42-113** **4.95**

Deluxe CD Cleaner

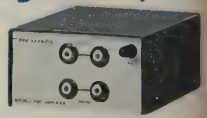
12.95

Helps eliminate "skipping" caused by fingerprints and dirt. Cleaning case, fluid, brush. **42-116** **12.95**

Magnetic Cartridge Preamp

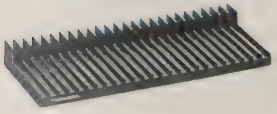
24.95

Matches Cartridge To Aux Input



Adapts equipment with aux or ceramic phono inputs to accept magnetic stereo cartridges. UL listed AC. **42-2109** **24.95**

Compact Disc Storage Rack

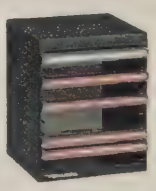


5.95

Holds 25 CDs

The best way to protect your CDs—vertical storage. Durable molded construction. **42-215** **5.95**

CD Storage Rack

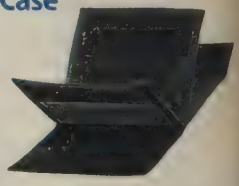


5.95 **Holds 10 CDs**

Rugged molded rack stores CDs in their jewel boxes. Horizontal storage. **42-214** **5.95**

Take-Along CD Case

Stores Six **9.95**



Protects CDs, without jewel boxes, in padded fabric case. **42-213** **9.95**

Compact Disc Jewel Boxes

Pkg. Of Two **2.99**

Replace scratched, cracked or lost jewel boxes **42-122** **2.99**

Record and Stylus Care Kit

3.99

Gently cleans records and stylus tip. With fluid and storage case. **42-140** .. **3.99**

Record Cleaner Fluid

1.99 NEW FOR '90

Safely cleans records and styli, also reduces static. Controlled-flow tip. **42-119** **1.99**

Pro Record Cleaner

7.95 NEW FOR '90

Humid State Brush

Velvet-surfaced brush, base and 2 oz. fluid. **42-117** **7.95**

45-RPM Adapter

69¢

Instantly lets you play 45-RPM records on any standard phono spindle. **42-120** ..... **69¢**

LP Spray Cleaner

2.59 **With Cloth**

Effectively removes dust and dirt to prolong record life. Helps cut static. **42-2500** **2.59**

Replacement Headshell

5.49

Low mass. Fits most S-shaped tonearms. With hardware. **42-2752** .. **5.49**

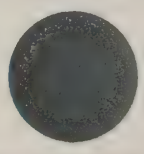
AC Power Controller

Auto-switches on/off your audio/video system using your stereo, TV, or VCR. Built-in spike protector and noise filter. UL listed. **61-2781** **49.95**

49.95

Phono Mat

1.19



Anti-resonant 12" foam cushion gently supports record to help reduce rumble **42-361** **1.19**

Phono Mat

3.95

Anti-Static

Carbon-impregnated 12" foam mat helps cut crackle and pop. **42-362** **3.95**

45-RPM Sleeves

Pack of 20 **2.29**

Easy way to keep your favorite 45s dust-free and prevent scratching. **42-142** **2.29**

LP Sleeves

Pack of 10 **2.69**

Protect your LPs from dust and scratching. Replaces torn or lost sleeves. **42-132** **2.69**

Audio Mixers for That Custom "Studio" Sound

REALISTIC® First Choice of People Everywhere Who Demand Real Value

There are tens of thousands of Realistic audio mixers in use in the United States, and the number is growing every single day. When you compare prices and see how much you get for so little money, it's easy to understand why. But there's much more to the Realistic story than just low price. Realistic mixers are nationally famous for long-lasting reliability, thanks to Radio Shack's tough quality-control testing programs that show us how to build electronic equipment that will work day after day, year after year, under the constant "set-up" demands of musicians and performers traveling from stage to stage. And if a Realistic mixer ever does need service, just take it to your nearby Radio Shack. Who else can offer top value *and* customer support at 7000 neighborhood locations nationwide?

Deluxe Five-Channel Stereo Mixer With Three "Pan" Pot Mike Controls

Dual Lighted Input Meters

119.95

Low As $15 Per Month

Our finest mixer! Pro-feature mixing console lets you record from multiple sources or control audio at "live" performances. Inputs for three mikes and two magnetic/ceramic turntables or two tape decks. "Pan" pots adjust each mike's apparent position in the stereo image. Glide-Path® fader controls on all channels and lighted meters for signal monitoring. Separate jacks for tape recording and main line-out. 1/4" headphone jack with adjustable cue/monitor level, two "cue" pushbuttons and mono/stereo switch. Frequency response, 10-30,000 Hz. 2 3/4 × 10 3/4 × 8 1/2". UL listed AC. **32-1200** (TSP available) **119.95**

Low-Cost Four-Channel Stereo Mixer For "Live" and Recorded Audio

AC/Battery Power Operation

69.95

Make recordings or mix "live" sound like a pro. Mix a tape deck, two mikes and two turntables. Features Glide-Path channel faders, dual VU meters for monitoring input levels, two magnetic/ceramic phono inputs, stereo mike input, tape and line outputs, cue monitor, 1/4" phone jacks. Mono/stereo mode switch permits mono signal to both output channels. Headphone monitor jack. Built-in battery tester. 20-20,000 Hz. 2 3/4 × 10 1/2 × 7 1/2". Requires 4 "AA" batteries or AC adapter. **32-1100** (TSP available) **69.95**

AC Adapter. UL listed AC. **273-1454** **7.95**

Electronic Reverberation Control

39.95

- **Input Jacks for Tape Deck/Mike Or Guitar**
- **Adjustable 5-95mS Delay**

Adds echo and reverb effects to "live" vocals, recordings or amplified musical instruments. Works with tape decks, PA or guitar amps. Glide-Path controls for smooth operation. Jacks for line-in, line-out and 1/4" mike in/out. Monaural circuit. 2 1/2 × 6 3/4 × 4 3/4". Requires 6 "AA" batteries.

32-1110 . . . . . **39.95**

AC Adapter. UL listed. **273-1455** **7.95**

Stereo Mike/Line Audio Mixer

27.95

Stereo/Mono Switch for Custom Sound Selection

Our most affordable mixer is ideal for recording like a professional from multiple sources or adding extra inputs to a PA system. Mixes up to four mikes or line inputs simultaneously. Features Glide-Path faders on all four channels for smoother volume changes. With battery-test LED indicator and mike level output. 2 3/4 × 8 3/4 × 5" Requires 9V battery.

32-1105 . . . . . **27.95**

Midrange/Tweeter Replacements and Accessories

Dual Radial Super Horn Tweeter

17.95

Detailed Highs to 50,000 Hz

This 4" tweeter has been specially designed for an extended response of 4-50 kHz. Power handling capacity: 70 watts. SPL: 90 dB (1W/1M). 8 ohms.
40-1377 . . . . . **17.95**

Rectangular Piezo Tweeter

NEW FOR '90

10.95

Wide-Dispersion Design for Excellent Imaging

State-of-the-art tweeter has frequency response of 4000-27,000 Hz. Power handling capacity: 85 watts. SPL: 92 dB (1W/1M). 8 ohms. **40-1398** . . . **10.95**

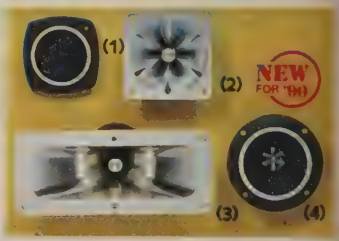
High-Power Handling Piezo-Type Tweeters

Ceramic driver instead of coil and magnet for lower mass and higher efficiency. No crossover required!

(1) 2" Cone. Capacity: 75 watts. Range: 5-25 kHz. SPL: 93 dB (1W/1M). **40-1383** **4.95**

(2) 3.5" Horn. Capacity: 75 watts. Range: 4-27 kHz. SPL: 94 dB (1W/1M). **40-1396** **13.95**

(3) 2 × 6" Horn. Capacity: 75 watts. Range: 2-25 kHz. SPL: 94 dB (1W/1M). **40-1379** **14.95**



(4) 3.75" Flared Horn. Capacity: 75 watts. Range: 4-25 kHz. SPL: 92 dB (1W/1M). **40-1397** **9.95**

Dynamic Tweeters

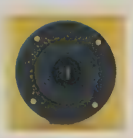
Wide, controlled dispersion. 8 ohms. 2.75 ounce magnets.

Type	Cap. in W	Eff Range (kHz)	SPL 1W/1M	Cat. No.	Each
2¼"	50	6-16	98	40-1278	9.95
2 × 6"	60	5-17	96	40-1228	16.95

Wide-Dispersion Dome Tweeter

Detailed Stereo Imaging

15.95



Reacts quickly to input for excellent transient and high-frequency response. Lightweight 1" mylar dome. Efficient 40-watt capacity with effective frequency range of 6000 to 20,000 Hz. SPL: 87 dB (1W/1M). Magnet Weight: 5.4 ounces. Impedance: 8 ohms.
40-1276 . . . . . **15.95**

Dynamic Cone Drivers

8 Ohms

Power handling capacity: 50 watts.

Fig.	Cap. in W	Eff. Range (kHz)	SPL 1W/1M	Mag. Wt. (Oz.)	Cat. No.	Each
1	50	5-20	91	2	40-1270	8.95
2	50	1.5-11	92	2.8	40-1282	11.95

Midrange Speakers

(1) 3" Mid/Tweeter. 0.7-20 kHz. 30 watts. SPL: 89 dB (1W/1M). Magnet: 3 oz. 8 ohms. **40-1289** **11.95**

(2) Soft-Dome 4". 1.5-10 kHz. 70 watts. SPL: 86 dB (1W/1M). Magnet: 10.8 oz. 8 ohms. **40-1281** . . . **21.95**

Mono L-Pad Controls

Low As 5.95

Volume controls for 8-ohm mono speaker. Mount in wall or speaker cabinet. **75-Watt. 40-977** **9.95**
25-Watt. 40-980 . . . . . **5.95**

Stereo L-Pad Controls

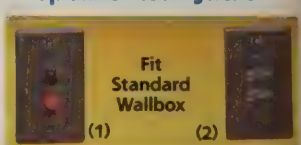
For controlling volume of two 8-ohm speakers from any location. Easy to install in nearly all standard electrical wallboxes.
75 Watt. 40-978 . . . . . **15.95**
25 Watt. 40-979 . . . . . **9.95**

Universal Crossovers

(1) Two Way. 2000 Hz, 2500 Hz or 4000 Hz. 100 watts. **40-1296** . . **7.95**

(2) Three Way. 800/5000 Hz, 800, 7000, 1600/5000 Hz, 1600/7000 Hz. 100 watts. **40-1299** **14.95**

Speaker Wall Jacks



(1) With two phono plugs, mounting hardware. **40-981** **3.19**

(2) Push terminals. **40-975** . . . **3.29**

Heavy-Duty Grille Fabric

7.95

NEW FOR '90

Perfect material for stage equipment and bands, this fabric is made tough to resist tearing and protect speakers. 36 × 32".
40-1952 . . . . . **7.95**

Foam Speaker Grille

7.95 Each

Acoustically Transparent

Trim with scissors for custom fit. With fasteners. 17 × 23½ × ¾".
Brown. 40-1946, 7.95
Black. 40-1951 . . **7.95**

Speaker Grille Cloth

Acoustically transparent, shrink/fade resistant. Color-fast.

Fig.	Description	Size	Cat. No.	Each
1	Brown	36 × 34"	40-1936	7.95
2	Black	36 × 34"	40-1935	7.95
3	Basket Weave	36 × 32"	40-1949	6.95

Metal Speaker Grilles

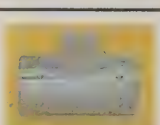
Available Sept. 30, 1989

(1) Black 8" Round. With mounting screws. **40-1345** **7.95**

(2) Black 12" Round. With mounting screws. **40-1346** **9.95**

Wall Brackets

3.39 Pair



Each supports up to 50 lbs. With hardware for mounting of two speakers.
40-150 . . . . . **Pair 3.39**

Ceiling Grilles

Low As 4.49

Round speaker grilles. With hardware.
4". 40-1220 . . . . . **4.49**
8". 40-1223 . . . . . **5.49**

Fiberglass Insulation

3.19

Easy to install. One square yard.
42-1082 . . . . . **3.19**

Fuse Holder

1.89

Low-cost speaker protection! 250 VAC, 3 amps. Requires fast-acting fuse.
270-1210 . . . . . **1.89**

VISIT YOUR NEARBY RADIO SHACK STORE FOR ASSISTANCE IN SELECTING THE RIGHT REPLACEMENT SPEAKER

Speaker Buys for Custom Systems and Upgrading

Speaker Selector Switch

6.95 **Handles Four Speakers**

Controls two pairs of stereo speakers. Select pair one, pair two or both. Metal case with predrilled tabs. Screw terminals for speaker connections. With mounting hardware. **40-130** **6.95**

3-Way Switch Box for Speakers

16.95 **Controls Up to Six Speakers**

Controls three pairs of speakers from one location. Rated at 10 watts. Simulated-walnut finish. **40-125** **16.95**

High-Power Switch Box

31.95 **Controls Up to Eight Speakers**

Designed to handle higher-powered amplifiers/receivers. Spring-terminal connectors. Up to 100 watts per channel. **40-136** **31.95**

Wide-Range Speakers

Low As 2.19 **8 Ohms** **Popular for Any Kind of New or Replacement Use**

Size	Cap. (W)	Magnet Wt. (oz.)	Cat. No.	Each
3"	2.0	0.4	40-248	2.79
2¼"	0.5	0.4	40-246	2.49
2"	0.5	0.4	40-245	2.19

Wide-Range 6" Speakers

Low As 5.95 **8 Ohms**

Size	Cap. (W)	Effective Range (Hz.)	Magnet Wt. (oz.)	Cat. No.	Each
6" w/Whizzer	20	55-12K	9.8	40-1285	15.95
6"	5	90-12K	2.8	40-1242	5.95

Full-Range 8" Speakers

Fig.	Cap. (W)	Eff. Range (Hz)	F_0 (Hz)	SPL 1W/1M (dB)	Magnet Wt. (Oz.)	Cat. No.	Each
1	10	75-25K	75	88	2.8	40-1271	6.95
1	10	90-20K	90	87	5.3	40-1272	8.95
2	30	57-16K	57	93	9.4	40-1286	17.95

4" Woofer

13.95

Long-throw cone excursion for solid bass. 8 ohms impedance. 8-ounce magnet. **40-1022** **13.95**

Cap. (W)	Effective Range (Hz)	F_0 (Hz)	Q_{TS}	V_{AS} (ft^3)	SPL 1W/1M (dB)
10	55-5000	55	35	.23	84

6½" Woofer

19.95 **Polypropylene**

Great for bookshelf-size systems. 8 ohms, 10-oz. magnet. **40-1011** **19.95**

Cap. (W)	Effective Range (Hz)	F_0 (Hz)	Q_{TS}	V_{AS} (ft^3)	SPL 1W/1M (dB)
50	50-6000	50	60	2.6	89

8" Woofers

Low As 27.95 **8 Ohms**

Paper. 16-oz. magnet. **40-1016, 27.95**

Poly. 10-oz. magnet. **40-1024, 31.95**

Cap. (W)	Eff. Range (Hz)	F_0 (Hz)	Q_{TS}	V_{AS} (ft^3)	SPL 1W/1M (dB)	Cat. No.
50	45-2500	50	.58	1.4	91	40-1016
50	40-3000	35	.48	2.1	89	40-1024

10" Woofer

29.95

Long-throw cone for solid bass. 9-ounce magnet. 8 ohms. **40-1331** **29.95**

Cap. (W)	Eff. Range (Hz)	F_0 (Hz)	Q_{TS}	V_{AS} (ft^3)	SPL 1W/1M (dB)
50	40-5000	40	.93	4.3	91

12" Woofer

49.95 NEW FOR '90

Polypropylene

Popular with do-it-yourselfers. 19-ounce magnet. 8 ohms. **40-1026** **49.95**

Cap. (W)	Eff. Range (Hz)	F_0 (Hz)	Q_{TS}	V_{AS} (ft^3)	SPL 1W/1M (dB)
50	40-3000	21.5	.58	18.6	89

15" Woofer

59.95 **Polypropylene**

Bass you can feel. 24.4-ounce magnet. 8 ohms. **40-1301** . . . **59.95**

Cap. (W)	Eff. Range (Hz)	F_0 (Hz)	Q_{TS}	V_{AS} (ft^3)	SPL 1W/1M (dB)
100	30-1500	20	.45	21.0	92

15" Instrument Speaker

59.95

Popular choice of demanding musicians. Magnet weight: 27.6 oz. 8 ohms impedance. **40-1319** . . . **59.95**

Cap. (W)	Eff. Range (Hz)	F_0 (Hz)	Q_{TS}	SPL 1W/1M (dB)
100	62-3000	62	.95	91.5

12" Subwoofer

59.95 NEW FOR '90

Dual voice coil—connect both channels to one subwoofer. Or connect in series for mono. **40-1350** . . **59.95**

Coil	Cap (W)	Eff. Range (Hz)	F_0 (Hz)	Q_{TS}	V_{AS} (ft^3)	SPL 1W/1M (dB)	Ohms Imp.
Mono	120	26-2700	21	.38	13.3	89	8
Each	60	26-2700	21	.38	13.3	95	4

Speaker Cables

Low As 2.79 **RCA Plug Ends**

Feet	Color	Gauge	Cat. No.	Each
50	Brown	18	42-2480	9.19
24	Brown	18	42-2478	4.99
12	Brown	18	42-2479	3.99
24	Gray	24	42-2392	3.29
24	White	24	42-2430	3.29
12	Gray	24	42-2445	2.75
12	White	24	42-2431	2.75

Plug-to-Lug Cables

Ft.	Ga.	Cat. No.	Each
24	24	42-2450	2.39
12	24	42-2449	2.25

Lug-to-Lug Cables

Ft.	Ga.	Cat. No.	Each
24	24	42-2446	2.19
12	24	42-2447	1.65

Pin-Connector Speaker Cable

4.99

Special 24-foot cable made from low-loss 18-gauge copper wire with color-coded tinned pins at each end for easy hookup to spring terminals. **42-2455** **4.99**

⅛" Plug-to-Lug Cable

⅛" mini phone plug, color-coded lugs. 12-ft., 24-gauge cable. **42-2454** **2.25**

24-Foot Speaker Cables

(1) Tinned to phono plug. **42-2457, 4.69**

(2) Tinned ends. **42-2456** **4.29**

SEE PAGE 61 FOR OUR SELECTION OF REPLACEMENT AUTOSOUND SPEAKERS

See, Hear! Lights and Music From Radio Shack

Keyboard: 29 keys, monophonic. **Preset Sounds:** Piano, Flute, Violin, Fantasy. **Rhythms:** March, Waltz, 4-Beat, Swing, Rock (two), Bossa Nova, Samba, Rhumba, Beguine. **Size:** 1 3/8 × 13 9/16 × 3 11/16". **Power:** Requires 4 "AA" batteries or AC adapter (6VDC)

Electronic Melody Maker

39.95

- 100-Note Memory
- Four Preset Tones
- Ten Built-In Rhythms

Concertmate-350. A marvelous starter for aspiring musicians. Create a melody, add rhythm accompaniment, change the tempo—and store it all in memory. Use the keys to choose preset rhythms. Features five-position slide-action volume control, adjustable tempo, wrong-note delete, memory play, reset and demo buttons, auto-shutoff to conserve batteries, and LED power-on indicator.
42-4008 (TSP available) **39.95**

Keyboard Carrying Case

Protects Your Keyboard **11.95**

This sturdy black vinyl case fits most Realistic electronic keyboards, plus many other brands. 2 15/16 × 26 1/2 × 8 3/4".
42-220 . . . . . **11.95**

Quartz-Precision Guitar Tuner

Now You Can Tune Even In Noisy Surroundings **29.95**

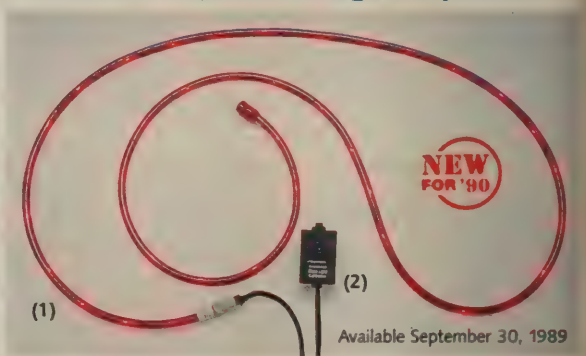
Built-In Microphone

In/Output Jacks

Battery Check Switch

Tune up easily—even in the middle of a session. Great help for beginners. Microphone for acoustic guitars and a 1/4" jack for electrics. On/off/battery check switch. Tuning tolerance, ±5 Hz. 1 1/4 × 2 1/8 × 5 1/8". Requires 9V battery. **63-670** **29.95**

Chase Sequence Light System



(1) 12-Foot Red Rope Light. This red rope contains 44 bulbs that flash in a dazzling chase routine. Speed can be controlled by the Rope Light Controller (below). **42-3037** **29.95**

(2) Rope Light Controller. Variable speed 4-channel light controller for up to five ropes (60'). UL listed AC. **42-3036** **29.95**

Color Light Show

13.95

Entertaining Effect

Throws colors on the walls, ceiling and floor as it rotates. 6 1/2" high. UL listed AC. **42-3018** **13.95**

Revolving Red Light

31.95

Liven Up Your Next Party

A bright way to add color to any get-together. 7" high. UL listed AC.
42-3040 . . . . . **31.95**

Illuma-Storm Hi-Energy Light Display

119.95

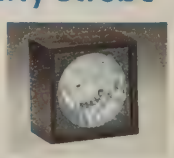
Low As $15 Per Month

Filled with a mixture of very rare but safe gases, the glass globe contains constantly changing patterns of colorful lightning bolts created by a high energy field. Touch the globe and your hand will attract the lightning. Or switch to "Audio" and the built-in microphone causes the lightning to respond to voice or music. Intensity and focus controls. 14" high. UL listed AC.
42-3035 . . . . . **119.95**

Hi-Intensity Strobe

34.95

Add Flash to Your Dance



Fascinating! Wide-angle strobe with variable flash "freezes" motion. Walnut vinyl finish. 7 9/16 × 7 9/16 × 4 3/4". UL listed AC. **42-3009** **34.95**

Traffic Light

35.95

Three Colors

It's flashy! Random color switching. Faceted reflectors intensify effect. 17 × 6 × 5 1/4". UL listed AC.
42-3026 . . . . . **35.95**

INCREASE YOUR BUYING POWER—APPLY FOR YOUR OWN RADIO SHACK VALUEPLUS® CREDIT CARD

Special–Feature Realistic® Portable Keyboards

100-Sound Tone Bank

- 4-Note Polyphonic
- 19 Rhythms

NEW FOR '90

59.95

Available September 30, 1989

Concertmate®-450. Experiment with 100 different preset sounds, 19 rhythms and 13 types of accompaniment to create your own distinct brand of music. Tone bank simulates a wide range of musical instruments and effects—everything from church organ to "cosmic" sounds. Mini keys make full 4-note chord playing easy. Adjustable volume and tempo controls, demo button.
42-4011 (TSP available) **59.95**

Keyboard: 32 mini/mid-size keys. (2½ octaves.) **Preset Sounds:** 100. **Rhythms:** 19. **Super Accompaniment:** Rock, Pops, Funk, Slow Rock, Latin, Jungle, Orient, Bagpiper, Fanfare, Child's Play, Classical, Computer, New Age. **Effects:** Sustain, Vibrato. **Size:** 2 1/16 × 23 1/2 × 6 3/4". **Power:** Requires 5 "AA" batteries or AC adapter.

Sound-Sampling

Sampling Records Any Sound as a Musical Tone

89.95

Concertmate-500. Use built-in microphone, line-in jack or any external microphone to sample (digitally record) your own sounds. Then play those sounds as notes on the keyboard, or use any of eight preset sounds. You can even create and modify sounds, select auto-rhythms and play single-finger chords, all on the keys. 4-note polyphonic. Adjustable tempo, rhythm fill and memory function. Built-in speaker, output jack, adjustable pitch and auto-shutoff.
42-4004 (TSP available) **89.95**

Keyboard: 32 mini/mid-size keys (2½ octaves). **Preset Sounds:** Piano, Brass Ensemble, Trumpet, Synthesized Drum, Human Voice, Flute, Pipe Organ, Jazz Organ. **Rhythms:** 10. **Size:** 1 3/4 × 18 × 6". **Power:** Requires 5 "AA" batteries or AC adapter.

Dual Tone Mixing

- 10-Note Polyphonic
- 20 Preset Sounds
- 20-Selection Percussion Accompaniment

149.95

Low As $15 Per Month

Concertmate-750. Combine any two preset sounds to create up to 210 new sounds. Play full chords with just one key. Features main and accompaniment volume controls, adjustable tempo, and selectable auto-rhythms with intro/ending and synchro/fill-in buttons. Built-in speaker, output for external amp. Adjustable pitch. Auto shutoff conserves batteries. **42-4010** (TSP available) . . . **149.95**

Keyboard: 49 mini/mid-size keys (4 octaves). **Preset Sounds:** Piano, Electric Piano, Harpsichord, Organ, Pipe Organ, Jazz Organ, Jazz Guitar, Vibraphone, Funky Clavinette, Strings, Brass Ensemble, Flute, Accordion, Synthesizer-Reed, Synthesizer Ensemble, Chorus, Metallic Sound, Bells, Percussion, Bass. **Rhythms:** 20. **Size:** 2 × 25 5/8 × 7 13/16". **Power:** Requires 6 "AA" batteries or AC adapter.

Full-Sized Keys

- One-Finger Auto-Chords
- Selectable Auto-Rhythms
- 8-Note Polyphonic

169.95

Low As $15 Per Month

Concertmate-660. Full-function keyboard with automatic or manual chord-playing, 12 preset sounds and 12 auto-rhythms. Memory feature makes it easy to make your own back-up tracks. Has separate master and accompaniment volume, adjustable tempo, rhythm fill-in and "synchro" buttons for "custom" drum fills, intros and endings. Built-in speaker, output jack, adjustable pitch, auto-shutoff.
42-4009 (TSP available) **169.95**

Keyboard: 49 full-size keys (4 octaves). **Preset Sounds:** Piano, Electric Piano, Pipe Organ, Jazz Organ, Electric Guitar, Vibraphone, Funky Clavinette, Violin, Trumpet, Flute, Human Voice, Synthesizer Sound. **Rhythms:** 12. **Memory:** Digital, 508 notes, 667 chords. **Size:** 2 15/16 × 34 3/16 × 10 3/4". **Power:** Requires 6 "D" batteries or AC adapter.

Realistic® Full-Size Headphones for Super Stereo

The Ultimate in Personal Stereo Listening

Available Sept. 30, 1989

69.95 **40mm Titanium-Evaporated Diaphragms for Ultrawide Audio Response**

Realistic PRO-70. Our very finest full-size headphones! Titanium-evaporated technology sets new standards in distinct, extraordinarily smooth high-fidelity sound reproduction. An attenuating volume control is built right into the cord for convenient listening level adjustments. Soft-cushioned earcups and padded headband for comfort. Positive-lock headband. Frequency response is 15-25,000 Hz. With oxygen-free 8-ft. copper cable and 1/4" gold-plated plug. Step up to the PRO-70 for the best in headphone stereo. **33-1010** **69.95**

Studio-Quality Stereo for Your Listening Pleasure

(1) Realistic PRO-60. "Acoustic resonance" design for solid bass with transparent midrange and treble. Soft variable-density earcushions. Digital ready, 15-30,000 Hz. With 10-ft. coiled cord, 1/4" plug. **33-999** **49.95**

(2) Realistic LV-10. Unique electro-acoustical design and 2" dynamic elements make for clear, clean sound. Foam earcushions. Digital ready. 20-20,000 Hz. 10-ft. coiled cord, 1/4" plug. **33-1004** **39.95**

(3) Realistic Nova-65. Features a convenient in-line volume/balance control for easy sound level adjustments. Digital ready with rugged mylar drivers. Foam-filled earcups, adjustable headband. 20-20,000 Hz. With 10-ft. coiled cord, 1/4" plug. **33-1023** **34.95**

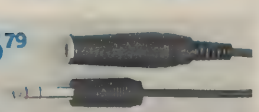
(4) Realistic Nova®-55. These lightweight phones have low-mass drivers that deliver excellent transient response. 20-20,000 Hz. With 10-ft. cord, 1/4" plug. **33-2004** **29.95**

(5) Realistic Nova-40. Big 3 1/2" drivers produce full-range stereo. Softly cushioned earcups and adjustable headband. 30-18,000 Hz. Has 10-ft. coiled cord with 1/4" plug. **33-993** **24.95**

(6) Realistic Nova-16. Exclusive Glide-Path® volume/balance controls. Adjustable headband and air-cushion earpads. 50-15,000 Hz. With 6 1/2-ft. cord, 1/4" plug. **33-1019** **19.95**

(7) Realistic Nova-10. Budget priced, yet the 2" drivers deliver full bass. Response, 50-15,000 Hz. Has 6 1/2-ft. cord, 1/4" plug. **33-1012** . . . **15.95**

20-Ft. 1/4" Cable



Noncoiled stereo audio extension cable. Stereo 1/4" plug and jack.
42-2442 . . . . . **5.79**

24-Ft. 1/4" Coiled Cable

Coiled, non-tangling stereo audio cable. Stereo 1/4" plug and jack.
42-2443 . . . . . **8.39**

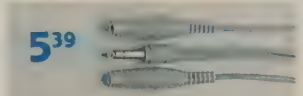
20-Ft. 1/8" Cable

Lightweight, highly flexible cord with 1/8" stereo mini plug and jack.
42-2462 . . . . . **6.39**

1/8"-1/4" Cable Adapter

Straight 20-ft. cable connects 1/8" stereo mini jack to 1/4" stereo plug.
42-2460 . . . . . **5.99**

1/4" Y-Adapter

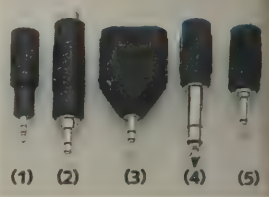


3-ft. cable connects two stereo headphones to a single 1/4" jack.
42-2448 . . . . . **5.39**

1/8" Y-Adapter

Use two headsets with one portable. Has stereo 1/8" plug and jacks.
42-2463 . . . . . **4.99**

Plug Adapters For Headphones

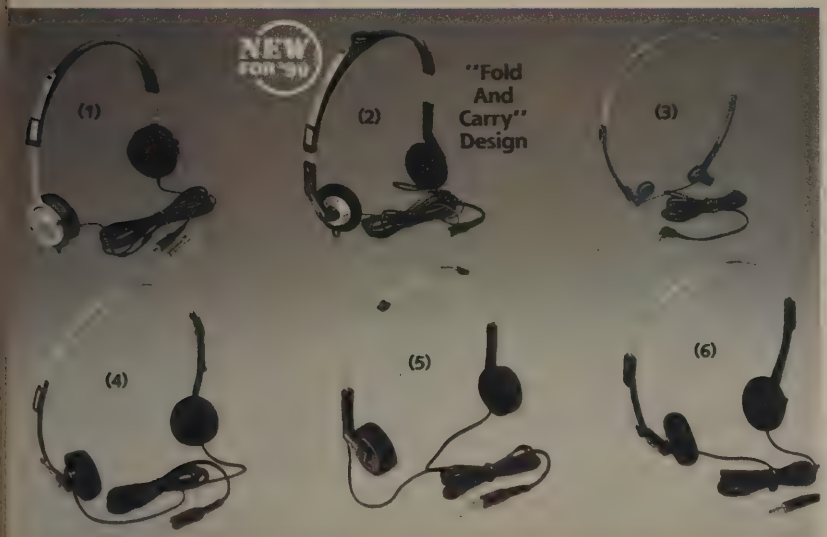


(1) 1/8" to 3/32". 274-373 . . **2.99**
(2) 1/4" to 1/8". 274-366 . . . **1.79**
(3) 1/8" Y-Adapter. 274-313 . . . . . **3.29**
(4) 1/8" to 1/4". 274-367 . . . **1.79**
(5) Mono-to-Stereo Jack. 274-368 . . . . . **1.19**

PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS

Lightweight Headphones and In-Ear Stereo Phones

The Best in Lightweight Stereo Headphones



) **Realistic Nova-45.** Our best personal stereo eadset! Efficient, rare-earth magnets make it ossible to hear deep, solid bass. Ideal for porta- e compact disc players. Weighs just 3.3 ounces. 0-20,000 Hz. Light, flexible 6½-ft. cord, ⅛" ug. Includes ⅛" to ¼" adapter.
3-1021 ..... **24.95**

2) Realistic Nova-53. "Fold and carry"—take ong anywhere! High-compliance diaphragms r superb sound. 50-20,000 Hz. Has 5-ft. cord nd ⅛" plug. **33-981** **19.95**

3) Realistic Nova-37. Rests comfortably inside ar for a secure fit—just the thing for active eople. "Fold and carry" design. Weighs only 2 unces. 50-20,000 Hz. Has 45" cord, ⅛" plug.
3-2003 ..... **15.95**

(4) Realistic Nova-33. Feathery light at only 1¼ ounces, yet still delivers full-range sound. Ideal replacement choice for personal stereos. Foam earpads and adjustable headband. 50-20,000 Hz frequency response. Has 4-ft. cord, ⅛" plug. **33-976** **10.95**

(5) Realistic Nova-36. "Fold and carry" design to fit in purse or pocket when not in use. Weighs only 2 ounces. Foam earpads. 40-20,000 Hz. Has 4-ft. cord, ⅛" plug. **33-2002** **8.95**

(6) Realistic Nova-34. Great sound at a low price! Adjustable metal headband for a comfortable fit. Weighs only 2 ounces. Soft-foam earpads. With flexible 4-ft. cord, ⅛" plug.
33-1000 ..... **5.95**
Extra Earpads. 33-375 ..... **99¢**

Digital-Ready In-Ear Stereo Phones

NEW FOR '90

29.95

Carry Case

Fits comfortably in your ear! Diaphragms are six-microns "thin" to provide excellent sound reproduction. Volume control on cord. 16-22,000 Hz. 40-inch cord, ⅛" stereo plug.

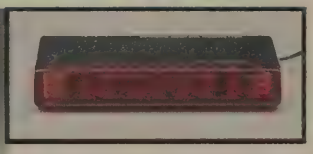
Available Sept. 30, 1989 **33-991** **29.95**

Budget In-Ear Stereo Phones

15.95 **With Vinyl Carry Pouch**

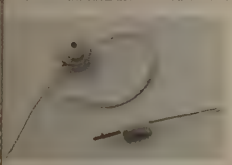
No headband needed! Ultralight and comfortable, fits in ear. Weighs just 0.6 of an ounce. 50-20,000 Hz. With 4-ft. cord, ⅛" plug.
33-977 ..... **15.95**
Extra Earpads. 33-376 ..... **99¢**

Wireless Headset and Transmitter



Infrared transmitter sends monaural signal to headphone from any radio or TV with headphone jack. 20-ft. range. 30 to 18,000 Hz response. With UL listed AC adapter for transmitter. Headset requires 9V battery.
32-2050 ..... **59.95**

Monaural Earphones



1.69 Each

With clip to secure onto ear, 3¼-ft. cord.
/32" Plug. **33-174** **1.69**
/8" Plug. **33-175** **1.69**

Deluxe Mono Earphone

3.99 **Enjoy Private Listening**

Fits most portable TVs, cassette recorders and radios. Has 10-ft. cord with ⅛" plug.
33-177 ..... **3.99**

Mono Earphone With 25-Ft. Cord

NEW FOR '90

5.99 **Greater Reach**

Lets you listen to your favorite TV or radio program in privacy from a comfortable distance. All black. Has ⅛" plug. **33-178** **5.99**

20-Ft. Earphone Cord

2.49

Extension cord has ⅛" jack and plug. Use with any ⅛" mono plug on this page. **33-176** **2.49**

Replacement Earpad Set

2.49 **Set of 4**

These polyurethane foam covers fit most lightweight headsets. Two black and two blue. **33-374** .. **2.49**

Pillow Speaker

3.39

Small price for privacy! Listen to TV or radios without disturbing others. Has ⅛" plug. **33-206** **3.39**

Deluxe Pillow Speaker

4.99

Slip under pillow for private listening. Volume control, ⅛" plug. **33-207** .. **4.99**

SEE OUR COMPLETE SELECTION OF PLUG ADAPTERS ON PAGE 135

Realistic® Microphones for Studio, Stage and Home

Stereo Amplified Listener

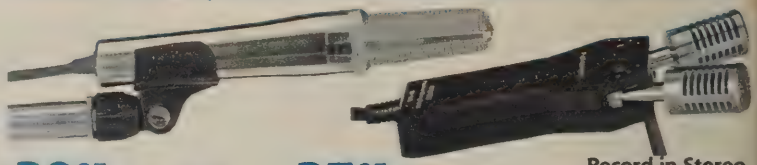
21.95

- **Dual Electret Mikes**
- **Neck Strap Included**

Boosts all the sounds around you for easier listening. Has volume and balance controls, hi-boost switch. 4 × 2 1/4 × 7/8". Requires stereo headphones, 2 "AA" batteries. **33-1093** **21.95**

Save $2.95. Amplified Listener with lightweight headphones. Reg. separate items $27.90. **33-1094/33-1000** **24.95**

Stereo Microphones With Dual Electret Elements



39.95 Dual Pattern **27.95** Dual Heads

Record in Stereo With One Mike

Dual Pattern. Special built-in matrix circuit gives you two selectable pickup patterns—normal plus a "wide" mode to enhance stereo imaging when recording larger groups. Wire mesh screen cuts wind and breath noises. 30 to 15,000 Hz response. 600 ohms. On/off switch. 8" long. Has 10-foot cord with two 1/8" plugs. Includes microphone stand adapter. Requires "AA" battery. **33-2012** **39.95**

Dual Head. The cardioid-pattern heads adjust up to 180° apart. 50 to 15,000 Hz. 600 ohms. 5 5/8" long. Built-in flip-up table stand. Includes slip-on foam windscreens. Has 6 1/2-foot cord with 1/8" plugs. Requires "AA" battery. **33-1065** **27.95**

Dynamic Microphones for Recording and Public Address

- **"Pro" Quality at Low Prices**
- **Two Pickup Patterns Available**

Pro-Unidirectional Highball. An outstanding microphone for public address and hand-held vocal use. 80 to 15,000 Hz frequency response. On/off switch. Has selectable high or low impedance—works with all types of equipment. XLR adaptable. Mike is 6" long and includes removable 16-foot cable with 1/4" plug, a deluxe protective case and stand adapter. **33-984** . . . **57.95**

Super-Omnidirectional. Flat 40 to 17,000 Hz response. Features rugged body with rubber shock ring. On/off switch. Low-impedance (XLR) adaptable. Mike is 6 3/4" long. Includes removable 16-foot cable with 1/4" plug, carrying case and mike stand adapter. **33-1070** **44.95**

Unidirectional Dynamic. Features rugged die-cast zinc body. On/off switch. 50-15,000 Hz response. Mike is 8 1/2" long. 5-foot cable with 1/4" plug. Stand adapter. **33-1073** **35.95**

Super-Unidirectional. Solves feedback and background noise problems. 80 to 12,000 Hz response. 600 ohms. On/off switch. Mike is 7" long. 6-foot cable with 1/4" plug. Stand adapter. **33-992** **27.95**

Omnidirectional Realistic Highball-2. Internal "pop" filter. 50 to 13,000 Hz response. 600 ohms. On/off switch. Mike is 8 3/4" long. 6-ft. cable with 1/4" plug. Stand adapter. **33-985** **23.95**

Unidirectional Realistic Highball-7. Special internal filter reduces feedback. 80 to 15,000 Hz response. 600 ohms. On/off switch. Mike is 8 1/2" long. 10-ft. cable with 1/4" plug. Stand adapter. **33-986** **17.95**

PZM®-Type Microphone

49.95

Responds to Sound Pressure—Not Sound Waves—For Superior Performance

Realistic PZM. Special design helps eliminate echo effects while increasing clarity and pickup range. 20 to 18,000 Hz response. 600 ohms. 5 1/2 × 4 7/8" metal base plate. Includes 18-foot cord with 1/4" plug. Requires "AA" battery. **33-1090** **49.95**

PZM is a trademark of Crown International

Hands-Free Electret Mikes

(1) Low As **19.95** (2)

(1) Tie-Clip Omni. Just 3/4" long! 50 to 15,000 Hz response. 1000 ohms. With clip, 3-ft. cord, 1/8" plug. Includes RS LR44 battery. **33-1052** **19.95**

(2) Tie-Pin Super Omni. 30-18,000 Hz response. 800 ohms. 7/8" long. 6 1/2-ft. cord, 1/8" plug, 1/4" adapter, pin, LR44 battery. **33-1063** **27.95**

Pattern Choice and XLR Adapability

Cardioid Omni

Cardioid or Unidirectional. This pickup pattern helps reduce feedback and background noise.

Omnidirectional. This wide pickup pattern provides equal sensitivity in all directions.

XLR Adaptable. Models 33-984 and 33-1070, left, are easy to adapt to XLR balanced output, used in "pro" sound systems. See connectors on page 135.

SEE PAGES 40-41 FOR PA AMPLIFIERS AND SYSTEMS

Wireless Mikes, Replacement Mikes and Accessories

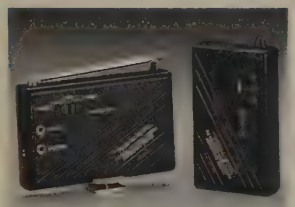
FM Wireless Mike System

69.95

Crystal controlled. 200-foot range, 70-10,000 Hz response. Transmitter has off/talk switch with standby position, battery-test LED, belt clip, attached mike with tie clip. 2 3/8 × 3 3/4 × 7/8". Requires "AA" battery. Dual-superhet receiver is 2 1/4 × 6 3/4 × 5 1/4" and has line and mike-level outputs. UL listed AC (or DC adapter #270-1534, extra). **32-1221** (TSP available) **69.95**

FM Wireless Mike for Video Camcorders

For Close-Up Sound On Long-Range Shots **69.95**



Record clear sound up to 200 feet from subjects! Crystal controlled for drift-free operation. Transmitter has belt clip and attached tie-clip electret mike. 2 3/16 × 3 3/16 × 7/8". Receiver has low/hi volume control, monitor earphone, cable for camcorder 1/8" input, camera-mount foot. 2 5/8 × 4 5/16 × 7/8". Requires 2 9V batteries. **32-1226** (TSP avail.) . . **69.95**

Three-Channel FM Wireless Mike System

NEW FOR '90

169.95 Low As $15 Per Month

Complete System With Hands-Free Mikes for Three Users

Sensational value! The receiver has a separate level control for each mike—works like a mixer—and LED mike "on" indicators. Provides line and mike-level outputs for PA amplifier or recorder. UL listed AC (or DC adapter, extra). Each transmitter has off/on/standby switch, separate mute switch, belt clip, mini lapel mike with cord and clip. Each transmitter requires 2 "AA" batteries. **32-1228** (TSP available) **169.95**

Clip-On Wireless FM Mike

19.95 **Transmits to Any Standard FM Radio**

Tiny mike is excellent for remote taping and public address use or monitoring a child's room. Transmits up to 250 feet outdoors. Tunable from 88 to 108 MHz. 1 3/4 × 3/4 × 5/8". **33-1076** **19.95**

Slim Omnidirectional Electret Mike

21.95 **Weighs Only 3 Ounces**

Wide 20 to 13,000 Hz frequency response. 600 ohms. Includes table stand, cord with 1/4" plug. Requires "AAA" battery. **33-2011** **21.95**

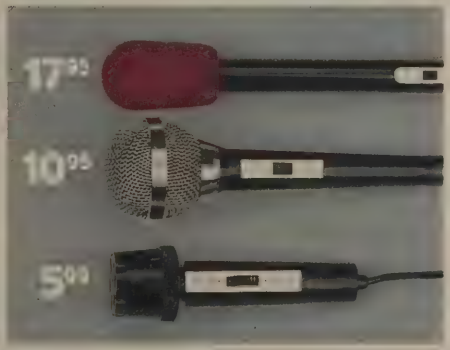
Remote-Control Mikes for Portable Recorders

Ideal for Dictation—On/Off Switch on Mike Starts and Stops Tape Recorder

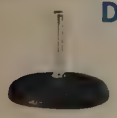
Omnidirectional Electret Condenser. 20 to 13,000 Hz frequency response. Has 1/8" audio plug and submini plug to fit remote on/off jack of most portable recorders. 6 1/2-foot cord. Includes stand, slip-on windscreen and "AAA" battery. **33-1060** **17.95**

Omnidirectional Dynamic With Windscreen. Mesh screen cuts wind and breath noises. 6 1/2-foot cord has 1/8" and submini plugs. Low impedance. **33-2001** **10.95**

Omnidirectional Dynamic. Economy low-impedance mike with 1/8" audio and submini remote plugs, table stand and 3-foot cord. **33-1054** **5.99**



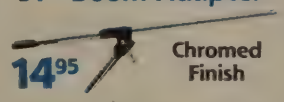
Desk Mike Stand



6.99 **Padded Feet**

Heavy-duty cast iron base with 4" chromed tube. Standard 5/8"-27 threading. **33-370** **6.99**

31" Boom Adapter



14.95 **Chromed Finish**

Adjustable length and angle, built-in counterweight. Standard 5/8"-27 threading. **33-344** **14.95**

Mike Stand With Cast Iron Base

19.95

Heavy-duty. Adjusts from 34" to 64". Std. 5/8"-27 thread. **33-320** **19.95**

Portable Folding Mike Stand

21.95

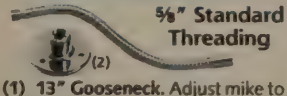
Adjusts 32" to 57". Rubber feet. Std. thread. **33-325** **21.95**

Foam Windscreen

1.69 **Fits Most Mikes**

A "must" for outdoors. Reduces wind and breath noises for professional performance. **33-373** **1.69**

(1) Mike Accessories

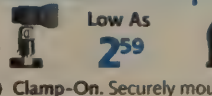


5/8" Standard Threading

(1) 13" Gooseneck. Adjust mike to any position. **33-330** **5.39**

(2) 5/8" Screw Flange. For mounting Fig. 1. **33-332** **2.39**

Mike Stand Adapters



Low As **2.59**

(1) Clamp-On. Securely mounts to stand. **33-372** **4.29**

(2) Slip-In. Fits standard 5/8"-27 thread. **33-371** **2.59**

Impedance Adapters

11.99 Each

(1) A3F. Connect "pro" mike line to hi-Z amp or recorder. **274-016** **11.99**

(2) A3M. Connect hi-Z mike to balanced "pro" line or system. **274-017** . . . **11.99**

Public Address Amplifiers for Every Application

Features ¼" Mike Jacks And XLR-Type Connectors For Using Both Low and High-Impedance Mikes

100-Watt Amp With Built-In Mixer And Antifeedback Control

199.95 Low As $15 Per Month

- **Four Adjustable Microphone Inputs**
- **Aux Input for Adding Mixer/Tape Deck**

Realistic® MPA-90. Our best amp has the power and performance demanded in auditoriums, churches and dance clubs. Variable feedback filter cuts any selected frequency, from 300 to 3000 Hz, by 12 dB to reduce annoying "howls" and "squeals". Features four high or four low-impedance mike inputs and Glide-Path® faders for each channel. Master volume control with a handy "memory" ring, lighted power meter and LED clipping indicator. Fully protected against overload. UL listed AC. **32-2024** (TSP available) **199.95**

SPECIFICATIONS. Frequency Response: 30-20,000 Hz ± 2 dB. **Power:** 100 watts rms at 4 ohms. **Outputs:** Mix bus, EQ in/out, push-terminals and phono-type jacks for 4 to 16-ohm speakers, ¼" headphone jack. **Power Requirement:** 120VAC, 60 Hz, 200W. **Size:** 4 3/8 × 14 1/2 × 10 1/2".

Compact 35-Watt PA Power Amp With Built-In Equalizer

99.95 Low As $15 Per Month

- **Remote Priority Override for Easy Paging In Offices and Warehouses**
- **Three-Band Graphic EQ** ■ **Built-In Mixer**

Realistic MPA-40. Superb performance at low cost! Three Glide-Path faders control inputs for two mikes and phono/aux. Built-in equalizer for tailoring sound to room acoustics and reducing feedback. Priority terminals permit Channel-1 to override all other channels—really handy for interrupting music for paging or emergencies. Built-in preamp for magnetic-cartridge turntable. Features master volume control with "memory ring" for marking desired level, LED power "on" indicator and ventilated metal case. UL listed AC. **32-2032** (TSP available) . . **99.95**

SPECIFICATIONS. Frequency Response: 70-15,000 Hz +1/–3dB. **Power:** 35 watts rms at 8 ohms. **Outputs:** 4, 8, 16 ohms; 70V line; terminals for adding optional SPST switch for remote priority switching. **Power Requirement:** 120VAC, 60 Hz, 120W. **Size:** 4 1/2 × 10 1/2 × 7 1/2".

Dual-Power, 20-Watt PA Amplifier With Tone Control

79.95 Operates on AC or 12VDC Power

- **Excellent for Indoor or Mobile Use**
- **Accepts Either Low or High-Z Mikes**
- **Hi-Level Phono/Aux Input** ■ **12VDC Plug**

Realistic MPA-25. The affordable PA amplifier you can use almost anywhere! A really nice performer—whether installed in a permanent system or used in a mobile setup. Features two front-panel mike inputs and phono/aux input with individual channel fader controls. Rotary master volume and tone controls, LED power "on" indicator. Has 70V line output for multiple-speaker systems. Ventilated metal case. Includes mobile mounting bracket with thumbscrews for easy removal, 12V power cord with cigarette lighter plug, and AC cord. UL listed. **32-2033** (TSP available) **79.95**

SPECIFICATIONS. Frequency Response: 150-20,000 Hz ± 3 dB. **Power:** 20 watts rms at 8 ohms. **Outputs:** 4, 8, 16 ohms, 70V line. **Power Requirement:** 120VAC, 60 Hz, 40W or 12VDC negative ground. **Size:** 4 1/2 × 10 1/2 × 7 1/2".

SEE PAGES 38-39 FOR RADIO SHACK'S COMPLETE LINE OF HIGH-QUALITY MICROPHONES

Save Big on Realistic® PA Systems at Radio Shack

Toastmaster's Special

Save $54.75

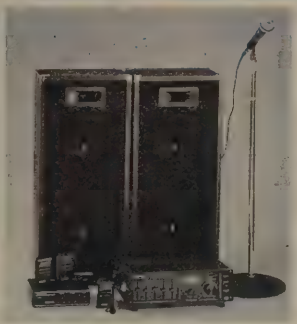
Reg. Separate Items 519.75

465.00

- Realistic MPA-90 100-Watt PA Amplifier
- Highball Dynamic Microphone
- Deluxe Folding Microphone Stand
- Two PA-95 Column Speaker Systems

32-2024/33-984/33-325/40-1411

100-W 4-Mike Club System



Save $67.70

Reg. Separate Items 687.70

620.00

- Realistic MPA-90 100-Watt PA Amplifier
- Highball Dynamic Mike With Stand
- FM Wireless 3-Channel Mike System
- Two PA-95 Column Speaker Systems

32-2024/33-984/33-320/32-1228/40-1411

The Singer's Choice

Save $101.35 Reg. Separate Items 991.35 **890.00**

- MPA-90 100-Watt PA Amplifier
- Four Highball Dynamic Microphones
- Four Cast-Base Microphone Stands
- Four PA-95 Column Speaker Systems

32-2024/33-984/33-320/40-1411

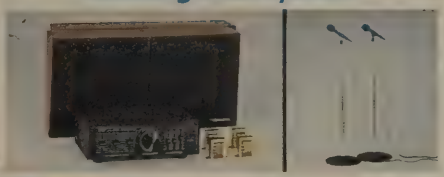
Office Paging System

Save $21.45 Reg. Separate Items 216.45 **195.00**

- MPA-40 35-Watt PA Amp With Built-In EQ
- Tight-Cardioid-Pattern Dynamic Mike
- Cast-Base Desktop Microphone Stand
- Four 10W, 70-Volt Line Transformers
- Four 8" Speakers ■ Four Ceiling Grilles

32-2032/33-992-370, 32-1031/40-1272-1223

Meeting Hall System



Save $35.35 Reg. Separate Items 315.35 **280.00**

- MPA-40 35-Watt PA Amp With Built-In EQ
- Two Tight-Cardioid-Pattern Dynamic Mikes
- Two Cast-Base Microphone Stands
- Four 10W, 70-Volt Line Transformers
- Four 8" Wall-Baffle Speakers

32-2032/33-1073/33-320/32-1031/40-219

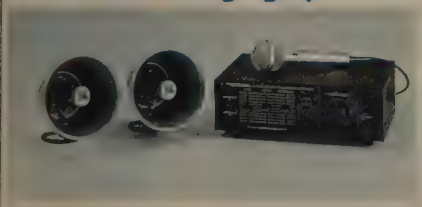
Sports Announcer System

Save $36.49 Reg. Separate Items 356.49 **320.00**

- MPA-40 35-Watt PA Amp With Built-In EQ
- Super-Omni Mike With Desktop Stand
- Four 10W, 70-Volt Line Transformers
- Four Super Powerhorn® Speakers

32-2032/33-984/33-370/32-1031/40-1307

Low-Cost Paging System



Save $13.80 Reg. Separate Items 143.80 **130.00**

- Realistic MPA-25 20-Watt PA Amplifier
- Highball-2 Dynamic Omnidirectional Mike
- Two 5" Powerhorn Speakers

32-2033/33-985/40-1236

Budget PA System

Save $22.50 Reg. Separate Items 207.50 **185.00**

- MPA-25 20-Watt PA Amplifier
- Highball-2 Dynamic Microphone
- Four 70-Volt Line Transformers
- Four 8" Wall-Baffle Speakers

32-2033/33-985/32-1031/40-219

"Anywhere" PA System

Save $26.80

Reg. Separate Items 266.80

240.00

- MPA-25 20-Watt PA Amplifier
- Super-Omni Mike With Deluxe Stand
- PA-95 Portable Column Speaker System

32-2033/33-1070/33-325/40-1411

APPLY FOR REVOLVING CREDIT AND GET A COMPLETE PA SYSTEM TODAY—SEE PAGE 3

Public Address/Paging Speakers and Accessories

High-Power Sound Reinforcement Speaker System

119.95 Each

Low As $15 Per Month

Two Heavy-Duty 10" Woofers and Piezo Horn Tweaker

Realistic PA-95. You'll get outstanding performance from this high-efficiency system that features controlled sound coverage and a smooth, extended response from 100-20,000 Hz. Great for portable use or permanent installation, delivering voice or music wherever you need it. Has 100-watt power handling capacity. Impedance, 8 ohms. System sensitivity: Rated 95 dB (SPL at 1W/1M). Rugged and built to last, with vinyl enclosure, carry handle and protective metal corners. Has 1/4" jack and two spring terminals for easy hookup to any amplifier. 30 × 13 × 8 1/2".
40-1411 ..... **119.95**

4" Powerhorn®

NEW FOR '90

13.95

Indoor or Outdoor

Outstanding performer in a compact size. 8 ohms. With mounting bracket. Power output: 5 watts.
40-1235 ..... **13.95**

Super Powerhorn

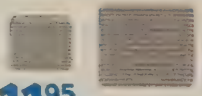
NEW FOR '90

41.95

40-Watt Capacity

High-efficiency design for maximum audio fidelity. Metal swivel base. 8 ohms. SPL: 110 dB (1W/1M.) 11 × 6 1/2 × 8 1/2". **40-1307** **41.95**

For In/Outdoor



11.95

21.95

Moisture Resistant

Big value in quality speakers. Versatile enough to use indoors or outdoors. Both include slots and hardware for wall mounting. 8 ohms.
4". 4 3/4 × 5 1/2 × 3". **40-1227** .. **11.95**
6 1/2". 4 1/4 × 8 1/4 × 3 7/8".
40-1248 ..... **21.95**

Budget Powerhorns

32.95

19.95

PA, music and paging speakers are water-resistant, shockproof and resist rust for years of quality performance. Ideal for either indoor or outdoor use. 8 ohms. Mounting brackets included.
8" Horn. 15 watts. **40-1239** .. **32.95**
5" Horn. 8 watts. **40-1236** ... **19.95**

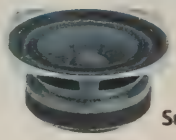
Transformer for 70-Volt Line Use

5.95

Use for Multi-Speaker Systems

Has taps at 10, 5, 2.5, 1.25 and 0.62 watts. For 4, 8, 16 ohms.
32-1031 ..... **5.95**

Full-Range Speakers



Low As **4.95**

Superb Sound

Use with 4" and 8" ceiling grilles. 8 ohms impedance.
4" 10 Watts. 40-1197 ..... **10.95**
4" 2 Watts. 40-1208 ..... **4.95**
8" 30 Watts. 40-1286 ..... **17.95**
8" 10 Watts. 40-1272 ..... **8.95**

Ceiling Grilles

Low As **4.49**

Hardware Included

For mounting 4" and 8" speakers. Solid steel with white enamel finish. With mounting hardware.
4" Grille. 40-1220 ..... **4.49**
8" Grille. 40-1223 ..... **5.49**

Wall Speaker/Baffle

19.95

Mounts Easily On Wall

8" speaker for voice or music. Handy built-in volume control. 8 ohms. Walnut vinyl. 10 3/4 × 10 3/4 × 4 3/4".
40-219 ..... **19.95**

PA Musical Powerhorn

39.95

- **94 Built-in Tunes**
- **Programmable—Add Five Songs of Your Own**
- **Built-In Mike**
- **Up to 300-Foot Range**

Plays 94 tunes, from college fight songs to pop tunes. With song list, shoulder strap, keypad to select or program tunes, mike for bullhorn use. Requires 8 "AA" batteries. **32-2030** **39.95**

Sound Level Meter

31.95

7 Ranges

Use with an equalizer to customize stereo or PA systems for optimum sound. Reads to 126 dB SPL with slow or fast response. "A" or "C" weighting. Electret mike, recording output, tripod socket. Requires 9V battery. **33-2050** ... **31.95**

One-Watt Speaker/Amp

19.95

- **Set Up Anywhere**
- **One-Piece System**
- **Amplified Sound For Voice or Music**

Amplified sound wherever you need it! Tone, volume controls. Aux input, 1/8" mike jack. 5 × 4 × 2 3/4". Requires 4 "C" batteries. **32-2031** **19.95**
AC Adapter. UL listed. **273-1454** **7.95**

Amplified Speakers for Big Sound Performance

Low-Cost Speaker System

NEW FOR '90

19.95 Pair

Built-In 2-Watt Amplifier

njoy amplified audio from your portable CD player r personal stereo, without headphones! Dual 2½" uare speakers. Plugs into ⅛" stereo headphone ck. 3⅞ × 3⅜ × 2⅛". Requires 4 "AA" batteries. udio power output: 2 watts. **40-166** **19.95**

Speakers With Handy Carry Bag

NEW FOR '90

49.95 Pair

- **Full 3 Watts Per Channel Total Output Power**
- **Adjustable Shoulder Strap**
- **Auto-Power Off**

Available Sept. 30, 1989

Turn your portable CD player or other personal portable into a complete amplified sound system. 3-watt "satellite" speakers slide into ends of bag and play through grilles at each end, leaving room in the middle for your personal stereo. With 3" woofers for extended range bass response, piezo tweeters for crisp detail. Stylish black carry case with protective interior, zipper closure and adjustable shoulder strap. Speakers plug into ⅛" stereo headphone jack. Requires 8 "C" batteries or AC or DC adapter.
40-1303 . . . . . **49.95**

Portable Stereo Speaker System

NEW FOR '90

29.95 Pair

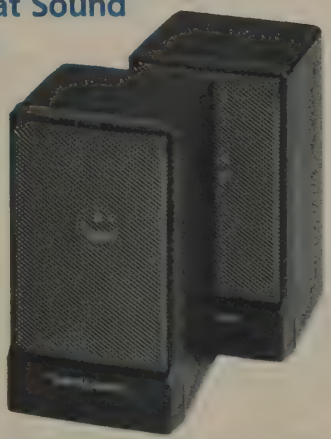
They Interlock For Easy Portability And Separate for Better Stereo

ealistic Minimus-0.4. Get amplified stereo sound from any personal stereo or D player! Interlocking speakers are powered by a built-in amp and 4" drivers. ustomize the sound with separate bass and treble controls. With carry strap. lugs into ⅛" jack. Audio power output: 1.5 watts per channel. 5 × ¾ × 2½". Requires 4 "C" batteries or AC or DC adapter.
0-1267 . . . . . **29.95**

Mini-Speakers for Great Sound From Personal Stereos

49.95 Pair

- **Powered 2½" Speakers Give Crisp, Clear Stereo Sound**
- **System Includes Carry Case, Strap and Cable**



Realistic Minimus-0.6. When you want to "share the music", just plug these speakers into your personal stereo's headphone jack. Instantly, you have a higher powered 3-piece micro-component system. Audio power output: 2 watts per channel. 5⅝ × 3 3/16 × 3¼". Requires 8 "C" batteries.
40-1259 . . . . . **49.95**

High-Power Amplified Speaker

79.95 Each

- **Ideal for Use With Electronic Keyboards, Stereos and VCRs**
- **Full 6 Watts Total Output Power**
- **4" Speaker Delivers Excellent Sound**
- **Auto-Power Off**
- **AC Operation**

ealistic Minimus-0.8. Add the external amplification you eed for your electronic keyboard, or add a pair for use with a tereo FM tuner, tape deck, TV or VCR. Full-range 4" speaker elivers superb frequency response. 7¼ × 4⅝ × 4 13/16". UL sted AC. **40-1262** **79.95**

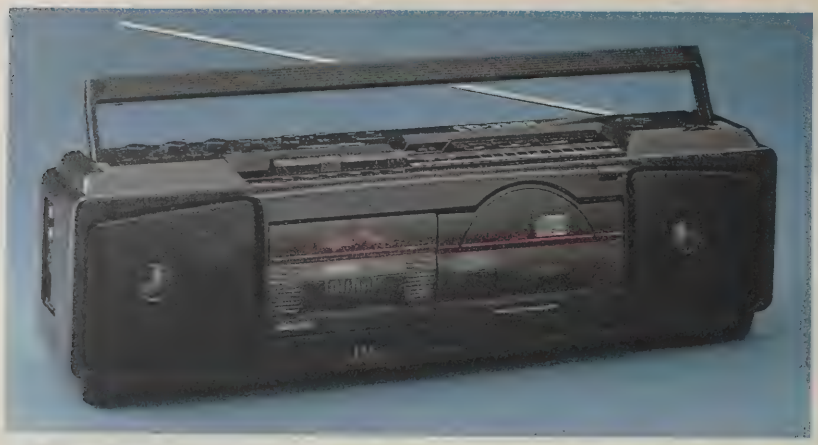
Amplified 2-Way Speaker Systems With Built-In EQ

99.95 Pair

- **Customize Sound With Built-In 5-Band Frequency Equalizer**
- **5" Woofers and 1¼" Tweeters For Dynamic, Full-Range Sound**

Realistic Minimus-0.9. Complete two-piece amplification system with 5 watts per channel output. Amplifier has built-in 5-band graphic frequency equalizer for customizing audio to personal taste or room acoustics. Perfect for use with a video system. Each 2-way speaker system delivers dynamic, full-range sound with a 5" woofer for extended bass response and 1¼" tweeter for a superior stereo image. Features rotary volume and balance controls, two phono input jacks. 14 × 8 × 6½". UL listed AC.
40-1264 . . . . . **99.95**

Superb Realistic® AM/FM Stereo CassettePortables



With Compact Disc Player

299.95 Low As $15 Per Month

- **Auto Music Search on CD**
- **Dolby* B NR**
- **Synchro-Start CD-to-Cassette Operation**

Realistic CD-3302. Enjoy extraordinary digital stereo anywhere. Record directly from FM stereo, AM, external sources or CD, or add mikes for "live" stereo recordings. Dolby B NR cuts tape hiss and extends dynamic range. Full-range 4" speakers deliver rich sound. Auto-search music system restarts a CD selection or plays the next one at the touch of a button. Synchro-start activates CD and cassette simultaneously for easy dubbing of personal CDs to tape. Jacks for headphones, mikes and line in/out. 6¼ × 22 11/16 × 5⅝". UL listed AC (or 6 "D" batteries or DC adapter, extra).
14-527 (TSP available) **299.95**

High-Speed Synchro Dubbing

139.95 Low As $15 Per Month

- **Auto-Level for Perfect-Volume Recordings**
- **Continuous-Play Mode**
- **Auto-Stop**

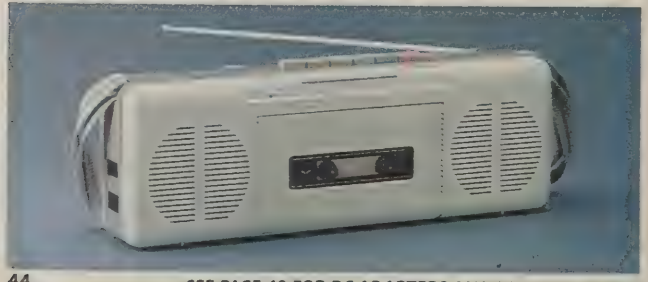
Realistic SCR-31. Big sound you can carry around. Copy personal tapes in half the usual time. Synchro-start dubbing controls both cassettes simultaneously. Record from radio or "live" with built-in mikes. Continuous mode auto-plays two tapes in sequence. Auto-stop protects tape and saves batteries. Dual 3" speakers. Jacks for headphones and mikes. 7½ × 20½ × 4⅝". UL listed AC (or 5 "D" batteries or DC adapter, extra). **14-799** (TSP available) . . . **139.95**

High Style, High-Speed Synchro Dubbing

99.95 Low As $15 Per Month

- **Quick, Easy Copying of Personal Tapes**
- **Auto-Level Recording**
- **Continuous Play**

Realistic SCR-36. A versatile portable with streamlined styling. Records directly off-the-air or "live" with the built-in mike. Auto-level assures perfect-volume recordings. Continuous mode auto-plays two tapes in sequence, and end-of-tape auto-stop protects tape and mechanism. Dual 3" 2-way speakers for excellent sound. Jack for headphones. 5⅛ × 19⅜ × 3¾". UL listed AC (or 6 "C" batteries, extra). **14-754** (TSP available) **99.95**



Contemporary Slim Design, Value Price!

59.95

- **Mono/Stereo Switch for Best FM Reception**
- **Two-Position Tone Switch for Best Sound**

Realistic SCR-34. Delivers big stereo sound at a very affordable price. Record directly from FM stereo or AM while you listen, or "live" with the built-in microphone. Auto-level assures perfect-volume recordings every time. Auto-stop protects tapes and mechanism, and prolongs battery life. Jack for headphones. Includes shoulder strap. 4⅜ × 12¼ × 2½". UL listed AC (or 6 "AA" batteries or DC adapter, extra). **14-752** (TSP available) **59.95**

SEE PAGE 49 FOR DC ADAPTERS AND 38-39 FOR EXTERNAL MIKES / *TM DOLBY LABORATORIES LICENSING CORP.

Record and Play Your Favorite Music On-the-Go

Dynamic Bass Boost System

NEW FOR '90

199.95 Low As $15 Per Month

Available Sept. 30, 1989

- **Biamplification and Amplified Subwoofer Deliver Bass Like No Ordinary Portable Can**
- **High-Speed Dubbing**
- **3-Band Equalizer**

Realistic® SCR-39. Crank up powerful, pulsating bass with the dynamic bass boost control. Record directly from FM stereo, AM or external sources, add mikes for "live" stereo recordings, or copy personal tapes in half the usual time with high-speed synchro-start dubbing. Dolby* NR cuts tape hiss and extends dynamic range. Shape the sound to your taste or the listening environment with the 3-band EQ. Dual 3" speakers. Jacks for headphones, mikes and line in. 9 3/4 x 20 3/4 x 5 3/4". UL listed AC (or 6 "D" batteries, extra).
14-757 (TSP available) **199.95**

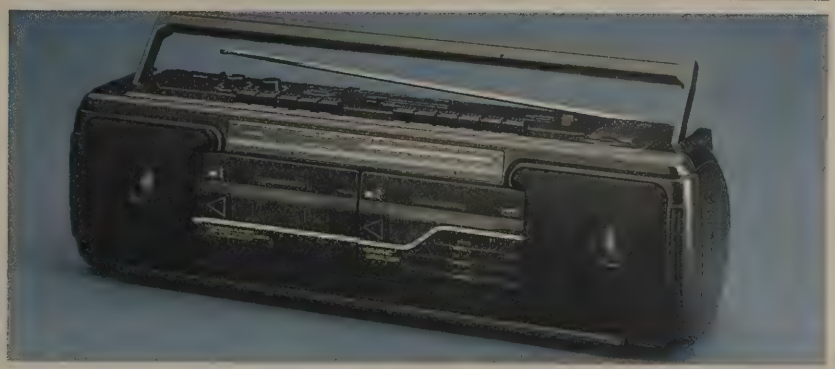
Hi-Speed Dubbing, 3-Band EQ

NEW FOR '90

129.95 Low As $15 Per Month

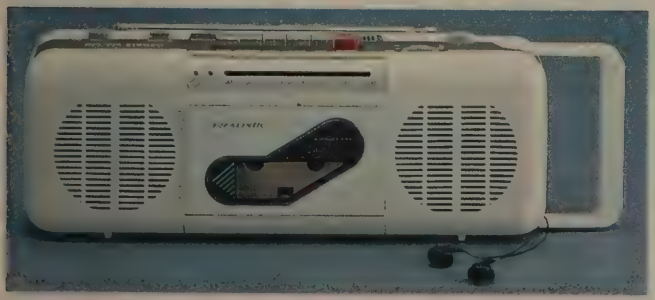
Available Oct. 30, 1989

- **Copy Personal Tapes in Half the Usual Time**
- **Graphic Equalizer for "Customized" Sound**



Realistic SCR-38. Tailor the sound to your taste or listening environment with the 3-band graphic EQ—gives you much more tonal control than ordinary portables. Synchro-start dubbing for precise tape duplication, continuous play, auto-stop to protect tapes and save on batteries. Jacks for headphones and mikes. 8 1/8 x 19 1/8 x 4 3/4". UL listed AC (or 6 "D" batteries, extra). **14-756** (TSP available) **129.95**

The Latest in Personal Listening



NEW FOR '90

69.95

Available Sept. 30, 1989

- **Ultralight In-Ear Phones for Private Stereo Listening**
- **Slim Contemporary Style With Fold-Away Carry Handle**

Realistic SCR-40. Listen with the earphones or through the speakers—either way, you'll enjoy great stereo. Record directly from FM stereo or AM, or add mikes for "live" stereo recordings. End-of-tape auto-stop protects tape and mechanism—saves batteries, too. Jack for stereo headphones. 5 1/4 x 14 1/2 x 3 1/4". UL listed AC (or 5 "C" batteries, extra).
14-759 (TSP available) **69.95**

Monaural AM/FM Cassette Portable

NEW FOR '90

39.95

Available Sept. 30, 1989

- **Plays on AC, Batteries or Car DC With Optional Adapter**
- **End-of-Tape Auto-Stop**
- **Rotary Volume/Tuning Controls**

Realistic CTR-83. A terrific value in portable entertainment. Big 3 1/2" speaker delivers excellent monaural sound. Record directly from radio or "live" with built-in condenser mike. Pause control for editing as you record. 7 5/16 x 11 3/16 x 3". UL listed AC (or 4 "C" batteries or DC adapter, extra).
14-758 (TSP available) **39.95**

PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS / *TM DOLBY LABORATORIES LICENSING CORP.

Carry Along a STEREO-MATE® Personal Cassette

AM/FM Stereo Cassette Players—Entertainment for People On the Go

99.95 Auto-Reverse And Dolby NR

Low As $15 Per Month

Realistic® SCP-27. Our best! Auto-reverse plays both sides of tape and Dolby* NR cuts tape hiss. Metal/normal tape switch. 4 3/4 × 3 5/8 × 1 1/2". Requires 2 "AA" batteries or AC or DC adapter.
14-1047 (TSP available) **99.95**

79.95 Dolby NR Cuts Tape Hiss

Realistic SCP-25. Selectable auto-reverse plays both sides of tape once or continuously. Right/left volume controls. 5 1/2 × 3 1/8 × 1 1/2". Requires 2 "AA" batteries or AC or DC adapter.
14-1048 (TSP available) **79.95**

39.95 FM Stereo and Battery LED

Realistic SCP-24. Tailor the sound with left/right volume controls. Auto-stop saves batteries, protects tapes. 5 11/16 × 3 11/16 × 1 9/16". Requires 3 "AA" batteries or AC or DC adapter.
14-1039 (TSP available) **39.95**

33.95 FM Stereo/Mono Selector Switch

Realistic SCP-36. Stylish player features FM stereo LED and separate right/left volume controls. Belt clip. 5 5/8 × 3 13/16 × 1 5/8". Requires 2 "AA" batteries or AC or DC adapter.
14-1072 (TSP available) **33.95**

Values in Stereo Cassette Players With the Features You Want

19.95 Auto-Stop Saves Batteries

Realistic SCP-28. Has separate right and left volume controls. Low battery LED. 5 5/16 × 3 3/4 × 1 5/8". Requires 2 "AA" batteries or AC or DC adapter.
14-1067 (TSP available) **19.95**

24.95 Right and Left Volume Controls

Realistic SCP-33. Has fast-forward, rewind and auto-stop. Belt clip. 4 1/8 × 3 1/8 × 1 1/16". Requires 2 "AA" batteries or AC or DC adapter.
14-1069 (TSP available) **24.95**

29.95 Built-In 3-Band Equalizer

Realistic SCP-34. Equalizer "customizes" the sound. Right/left volume. 4 1/8 × 3 1/8 × 1 1/16". Requires 2 "AA" batteries or AC or DC adapter.
14-1070 (TSP available) **29.95**

59.95 Auto-Reverse And Dolby B NR

Realistic SCP-35. Metal/normal bias switch for best sound from all tapes. 4 3/8 × 3 1/2 × 1 3/4". Requires 2 "AA" batteries or AC or DC adapter.
14-1071 (TSP available) **59.95**

Great Values in Portable Cassettes and Accessories

Easy-to-Use Stereo Cassette for Youngsters

- Includes Stereo Earphones
- Auto-Stop Saves Batteries

NEW FOR '90

39.95

Radio Shack CTR-81. Big stereo sound youngsters can carry around. Plays cassettes through the built-in 2½" speakers or through "in-ear" stereo phones for personal listening. Kids can also record tapes "live" anywhere using the built-in monaural microphone. Has a thumbwheel volume control, tape controls for stop/eject, fast-forward, fast-rewind, play and record. End-of-tape auto-stop saves batteries and protects cassettes. Earphone storage compartment, built-in carry handle. 4½ × 11⅜ × 3⅜". Requires 4 "C" batteries or AC or DC adapter. **14-840** **39.95**

Durable Cassette Players Specially Designed With Children in Mind

Radio Shack CTP-70 Sing-Along Cassette Player. Youngsters can perform tunes by using the detachable mike to sing along with cassettes. Oversize play, fast-forward and stop/eject buttons. Separate tape/sing-along volume controls. Auto-stop. 8⅜ × 7¾ × 2⅜". Requires 4 "C" batteries or AC or DC adapter. **14-851** **23.95**

Realistic CTR-63 Cassette Recorder. A colorful carry-along that plays and records cassettes anywhere. Auto-stop turns recorder off at end of tape—saves batteries when youngsters forget to turn it off. Built-in mike. 8⅛ × 6⅞ × 2¾". Requires 4 "C" batteries or AC or DC adapter. **14-846** (TSP available) **27.95**

Radio Shack CTR-80 Cassette Recorder/Radio. Children can enjoy their favorite cassettes or AM stations, even make "live" recordings, anywhere! Auto-stop, function selector switch, rotary volume control and 3" speaker. Earphone jack. 7⅞ × 9 × 2⅜". Requires 4 "C" batteries or AC or DC adapter. **14-850** **29.95**

Personal Stereo Recorder

84.95

Play Back Tapes Through Your Stereo Headphones Or Built-In Mono Speaker

Realistic SCP-29. Record "live" in stereo anywhere with built-in mikes! Tape counter and left/right volume controls. Jacks for adding external mikes. 5⅛ × 3⁹⁄₁₆ × 1½". Requires 2 "AA" batteries or AC or DC adapter. **14-1068** (TSP available) **84.95**

Accessories for Personal Stereo Cassette Players

(1) Realistic Nova®-34 Headphones. Lightweight (two ounces!), yet you get full-range stereo. Foam earpads, ⅛" plug. **33-1000** **5.95**

(2) Micro Stereo Speaker. Listen to your personal cassette in stereo, without headphones! Dual 1½" speakers in a tiny 3⅛ × 3¼ × 1¼" enclosure. ⅛" plug. **40-155** **9.95**

(3) Amplified Personal Speakers. Dual 2½" square speakers have built-in amplifier. ⅛" plug. 3⅞ × 3⅜ × 2⅛". Requires 4 "AA" batteries. **40-166** ..... **Pair 19.95**

(4) Realistic Minimus®-0.4 Amplified Speakers. Enclosures interlock to make carrying easy. 4" drivers. Carry strap. 5 × 4¾ × ½". Requires 4 "C" batteries or AC or DC adapter. **40-1267** ..... **Pair 29.95**

(5) Amplified Speakers With Carry Bag. Portable fits in center of bag and speakers play through grilles in each end. Requires 8 "C" batteries or AC or DC adapter. **40-1303** ..... **Pair 49.95**

(6) STEREO-MATE Carry Case. Padded black nylon. Zipper closure and belt with quick-release. 7 × 4⅜ × 1¾". **44-689** **7.95**

Realistic® Portable Cassette Recorders for Everyone

Voice-Actuated and Desktop Portable Recorders

Variable Speech Control Recorder*

79.95 NEW FOR '90

Saves Time—Increases Playback By Up to Twice Normal Speed

Realistic VSC-2001. First choice of students. Ideal for reviewing notes, speeches or audio books. Variable speed and pitch controls give you faster, yet normal-sounding speech playback with any standard cassette. Voice actuation for hands-free recording. Auto-level assures quality recordings every time. Cue/review and tape counter for finding recorded passages quickly. $4^{1}/_{16} \times 6^{9}/_{16} \times 1^{5}/_{8}$". Requires 4 "AA" batteries or AC or DC adapter. **14-1058** (TSP available) **79.95**

*TM of Variable Speech Control Co.

(1) Realistic CTR-73. A super "notetaker". Auto-stop saves batteries and protects tapes. Has cue/review, built-in mike, tone control, tape counter, LED record/battery indicator and auto-level. Jack for adding external mike. $1^{3}/_{4} \times 5^{1}/_{2} \times 10^{1}/_{2}$". UL listed AC (or 4 "C" batteries or DC adapter, extra).
14-1053 (TSP available) **49.95**

(2) Realistic CTR-71. Ideal for notes and dictation. Built-in mike and auto-level for clear recording. Cue/review helps you find selections easily. Auto-stop saves batteries and protects tapes. Jack for adding an external mike. With earphone. $1^{7}/_{8} \times 5^{5}/_{8} \times 9^{3}/_{4}$". Requires 4 "C" batteries or AC or DC adapter.
14-1051 (TSP available) **29.95**

(3) Realistic CTR-72. Handy AC/DC operation plus auto-level for clear, quality recordings. Convenient cue/review controls for easy editing. Auto-stop. Built-in mike. Jacks for adding earphone and external mike. $1^{7}/_{8} \times 5^{5}/_{8} \times 9^{3}/_{4}$". UL listed AC (or 4 "C" batteries or DC adapter, extra).
14-1052 (TSP available) **39.95**

(4) Realistic CTR-82. Easy-to-use voice-actuation prevents silent gaps to save you tape and time. Cue/review finds selections easily. Auto-level, tape counter and mike sensitivity switch. Jacks for earphone and remote mike. $1^{1}/_{4} \times 5^{5}/_{8} \times 7^{1}/_{16}$". Requires 4 "AA" batteries or AC or DC adapter.
14-1049 (TSP available) **69.95**

(5) Minisette®-19. Convenient compact size makes it ideal for students and executives. Auto-level and built-in microphone for clear recording. Auto-stop saves batteries and protects tapes. Jack for earphone. Wrist strap. Requires 2 "AA" batteries or AC or DC adapter. $4^{3}/_{4} \times 3^{3}/_{8} \times 1^{3}/_{8}$".
14-1054 (TSP available) **29.95**

(6) Minisette-20. Voice-actuation and built-in mike for easy, clear recordings. Hi-lo tone switch for best sound during playback. Auto-stop, cue/review, battery/record LED. Tape counter finds selections fast. Jack for adding remote mike. Wrist strap. $4^{1}/_{2} \times 3^{1}/_{4} \times 1^{1}/_{2}$". With earphone. Requires 2 "AA" batteries or AC or DC adapter. **14-1055** (TSP available) **59.95**

(7) Realistic CTR-85. Voice-actuation, auto-level and built-in mike makes recording a breeze. Cue/review and tape counter for locating selections fast. Pause control, mike sensitivity switch. LED for record/battery check. Jacks for earphone and remote mike. $4 \times 7 \times 1^{5}/_{8}$". Requires 4 "AA" batteries or DC adapter.
14-1056 (TSP available) **49.95**

(8) Realistic CTR-68. Switch auto-level "on" for perfect-volume recordings of speech, or switch it off for wider dynamic range when recording music. Built-in mike. Cue/review and tape counter for finding recorded passages quickly. LED recording meter. Auto-stop and pause control. Jacks for remote mike and earphone. $2^{1}/_{8} \times 9^{11}/_{16} \times 6^{3}/_{4}$". UL listed AC (or 4 "C" batteries or DC adapter, extra).
14-808 (TSP available) **69.95**

Quality Microcassette Recorders and Accessories

"Notetakers" for School or Office

Up to Three Hours Recording Time on One MC-90 Tape

Realistic Micro-26. Our finest and most compact ever! Only 5/8" thin, yet offers big features and excellent sound quality. Voice-actuation for hands-free recording. Quick-record lets you change instantly from play to record. Fast play mode increases playback speed while voices remain understandable. Two-speed capstan drive—1.2 cm/sec. or 2.4 cm/sec. Audible cue/review and tape counter. Auto-stop. Jack for external mike. With earphone, carry case. 4 5/16 × 2 1/16 × 5/8". Requires 2 "AAA" batteries or DC adapter.
14-1043 (TSP available) **149.95**

Realistic Micro-27. Fits in your palm! Voice-actuation for hands-free recording. Fast play mode increases playback speed while keeping voices understandable. Built-in mike, auto-stop, cue/review, LED record/battery indicator. Two-speed capstan drive—1.2 cm/sec. or 2.4 cm/sec. With case, earphone. 4 3/4 × 2 1/8 × 15/16". Requires 2 "AA" batteries or DC adapter. **14-1044** (TSP available) **99.95**

Realistic Micro-18. Switchable sensitivity with voice-actuation. Auto-level, cue/review and 3-digit tape counter. Built-in mike. Auto-stop. Variable speed capstan drive. Jack for external mike. With earphone and wrist strap. 4 7/8 × 2 1/2 × 1 1/16". Requires 2 "AA" batteries or DC adapter. **14-1042** (TSP available) **49.95**

Realistic Micro-12. Stylish black finish and same features as Micro-18, without voice actuation. **14-1041** (TSP available) **39.95**

Microcassette Tapes

For Capstan-Drive Recorders

Type	Total Recording Time	Cat. No.	Each 1-9	Each 10-Up
MC-60	Up to two hours	44-640	3.49	3.00
MC-90	Up to three hours	44-644	6.95	5.98

Micro Cleaner Kit

NEW FOR '90

Extends tape life and restores clarity! Also for answering machines. Includes cleaning cassette, probe, mirror and solution. **44-1168** . . . **5.99**

Tape Storage Tray

Stores and protects 12 mini or microcassettes. 2 × 2 13/16 × 7".
44-678 . . . . . **2.89**

Head Cleaner

Nonabrasive. Cleans microcassette tape path and restores clarity. **44-1166** **2.99**

Minicassette Tape

Low As **2.49** 10-Up

For rim-drive recorders. 30 minutes of recording time.
44-633 1-9 . . . . . **Each 2.89**
10-Up . . . . . **Each 2.49**

8-Track Recording Tape

Rec. Min.	Cat. No.	Each 1-11	12-24	25-49	50-Up
40	44-840	2.59	2.33	2.07	1.81
80	44-841	3.39	3.05	2.71	2.37

Low noise. Lubricated, continuous loop with polyester base.

Open-Reel Supertape®

Supertape Premium. Low noise recording tape with wide dynamic range. Polyester base.

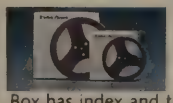
Reel Size	Feet	Mil	Cat. No	Each 1-9	Each 10-499
5"	900	1.0	44-1872	3.99	3.19
7"	1200	1.5	44-1878	5.99	4.79
7"	1800	1.0	44-1877	6.99	5.59
7"	3600	0.5	44-1880	12.99	10.39

Open-Reel Concertape®

Low Budget Price

For general purpose recording. Heavy-duty 1-mil. Polyester base. 1800 feet. 7" reel. **44-1018** . . . **2.99**

Plastic Tape Reels



Hinged Box Design

Box has index and timing charts.
5" Reel. **44-278** **1.69**
7" Reel. **44-279** **1.89**

Power Adapters for Portable Recorders

Convert Your Portable to Convenient Two or Three-Way Power

Stop wasting batteries and start saving money! Convert your portable to two or three-way power. These adapters will power your portable tape recorder from 120VAC house current or 12VDC mobile power. Especially useful for reviewing lengthy recordings like notes, speeches or audio books at home or out on the road in your car. Safe and simple to use. Just plug into the external AC or DC adapter jack on your portable recorder and enjoy unlimited hours of cassette recording or playback. Buy one for your home and car!

Cat. No.	AC	Price	DC	Price
14-0527	*	*	270-1534	5.49
14-0750	*	*	270-1562	13.95
14-0752	*	*	14-844	6.95
14-0753	*	*	14-844	6.95
14-0754	*	*	270-1562	13.95
14-0756	*	*	270-1562	13.95
14-0757	*	*	270-1562	13.95
14-0758	*	*	14-844	6.95
14-0759	*	*	270-1562	13.95
14-0808	*	*	14-844	6.95
14-0840	273-1650	12.95	270-1560	11.95
14-0846	273-1454	7.95	14-844	6.95
14-0850	273-1454	7.95	14-844	6.95
14-0851	273-1454	7.95	14-844	6.95
14-1039	273-1650	12.95	270-1560	11.95
14-1040	273-1435	6.95	270-1560	11.95
14-1041	273-1435	6.95	270-1560	11.95
14-1042	273-1435	6.95	270-1560	11.95

Cat. No.	AC	Price	DC	Price
14-1043	273-1654	13.95	270-1560	11.95
14-1047	273-1654	13.95	270-1560	11.95
14-1048	273-1654	13.95	270-1560	11.95
14-1049	273-1454	7.95	270-1560	11.95
14-1051	273-1454	7.95	14-844	6.95
14-1052	*	*	14-844	6.95
14-1053	*	*	14-844	6.95
14-1054	273-1654	13.95	270-1560	11.95
14-1055	273-1654	13.95	270-1560	11.95
14-1056	273-1454	7.95	14-844	6.95
14-1057	273-1454	7.95	14-844	6.95
14-1058	273-1454	7.95	270-1560	11.95
14-1067	273-1654	13.95	270-1560	11.95
14-1068	273-1654	13.95	270-1560	11.95
14-1069	273-1654	13.95	270-1560	11.95
14-1070	273-1654	13.95	270-1560	11.95
14-1071	273-1654	13.95	270-1560	11.95
14-1072	273-1435	6.95	270-1560	11.95

*Not Required. AC Power Supply Built-In

New Low Prices! SUPERTAPE® Audio Cassettes

SUPERTAPE Now Even Better Than Ever—Improved Three Ways for 1990

First, we've slashed prices on our full line of cassette tapes—in some cases by as much as 47%. Second, we've developed all-new formulations for even higher quality recordings from every type of equipment. Third, we've added 76 and 100-minute lengths that are ideal for making personal recordings from digital compact discs. Always use SUPERTAPE and hear the improvement.

Low As **1.69** 2-Pack LN-30

New Formulation! LN Low-Noise Standard Ferric Type I

High-Flux-Density Oxide Formula for High Output and Low Noise

Precision housing cuts wow and flutter. For recording and playback on all cassette equipment.

Type	Total Recording Time	Cat. No.	2-Pack
LN-30	30 Minutes	44-901	1.69
LN-60	60 Minutes	44-902	1.99
LN-90	90 Minutes	44-903	2.39
LN-120	120 Minutes	44-904	3.49

Reformulated High-Quality Cassettes for Superior Sound and Value

XR Extended-Range Premium Ferric Type I

Audiophile-quality tape at bargain prices! Delivers optimum performance at normal bias for greater musical "detail." Precision 5-screw housing reduces wow and flutter for a more stable recording. For all cassette equipment. Non-abrasive head-cleaning leader. Hinged storage box with index card.

Type	Total Recording Time	Cat. No.	1989 Cat. Price Was	New Low Price Each
XR-45	45 Minutes	44-920	2.59	1.39
XR-60	60 Minutes	44-921	2.79	1.49
XR-90	90 Minutes	44-922	3.79	1.99
XR-120	120 Minutes	44-923	4.99	2.79

HD Hi-Definition Chrome Equivalent Type II

Get excellent low-noise recordings on decks with CrO_2/hi-bias position. Captures loudest and softest passages while reducing noise. Plays on all cassette equipment. Special leader helps keep tape heads clean and your recordings sounding their best. Includes hinged storage box with index card. Precision 5-screw housing.

Type	Total Recording Time	Cat. No.	1989 Cat. Price Was	New Low Price Each
HD-46	46 Minutes	44-942	...	2.39
HD-60	60 Minutes	44-940	3.49	2.49
HD-76	76 Minutes	44-943	...	2.79
HD-90	90 Minutes	44-941	4.29	2.99
HD-100	100 Minutes	44-944	...	3.69

MII Metal for Hi-Bias/CrO_2 Decks Type II

A superb metal tape for recording in equipment with CrO_2/hi-bias 70us EQ position. Exceptionally wide dynamic range and superior signal-to-noise ratio for cleaner, more "detailed" recordings. Plays on all cassette equipment. Has head-cleaning leader. Hinged storage box with index card. Precision 5-screw housing.

Type	Total Recording Time	Cat. No.	1989 Cat. Price Was	New Low Price Each
MII-60	60 Minutes	44-950	4.89	3.99
MII-76	76 Minutes	44-952	...	4.49
MII-90	90 Minutes	44-951	5.69	4.79
MII-100	100 Minutes	44-953	...	4.99

MIV—Our Best! High-Tech Metal Type IV

You won't believe how good it sounds! Enjoy greater high-frequency headroom and superior audio reproduction that is virtually indistinguishable from open-reel recordings. Highly recommended for recording from digital compact disc. Designed for recording on metal-capable equipment only. Plays back on all cassette equipment. Precision 5-screw housing. Reduces wow and flutter for a more stable recording. Special non-abrasive leader to start every recording with clean heads. Hinged storage box with handy index card.

Type	Total Recording Time	Cat. No.	1989 Cat. Price Was	New Low Price Each
MIV-60	60 Minutes	44-960	5.99	4.99
MIV-90	90 Minutes	44-961	6.99	5.99

The Best Buys in Tape Recorder Care Accessories

Bulk Eraser

Erases Tapes in Seconds

Fast, complete erasing. For floppy disks, too. Not for metal or video tape. UL listed AC.
44-232 ..... **19.95**

Universal Demagnetizer

Helps Cut Tape Hiss

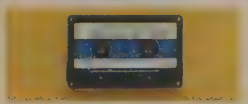
Improves S/N ratio. For cassette, 8-track and open-reel heads. UL listed AC.
44-225 ..... **9.95**

Lighted Demagnetizer

3½" Lighted Probe

Helps see heads. Works with all tape decks. With instructions. UL listed AC.
44-207 ..... **14.95**

Cassette Head Demagnetizer



Loads like ordinary cassette, works in one second. With LED indicator, battery.
44-1165 ..... **9.95**

Demag/Cleaner

5-Piece Kit

Great for tape players, answering machines. Demagnetizer cassette, probe, mirror, solution. **44-1167** **5.95**

Liquid-Action Cleaner Cassette

Felt pads and unique wiping action clean head, roller and capstan. With ½-ounce of fluid. **44-1163** **3.99**

Cassette Head Cleaner

Extends Tape Life

For all cassette decks. Non-abrasive tape restores record, playback clarity.
44-1160 ..... **1.99**

Cassette Cleaning Kit

Extends tape life by removing oxides from head and capstan. With cleaning fluid.
44-1162 ..... **2.89**

Professional Cleaning Kit

For audio and video. Freon TF* solvent, six foam swabs.
44-1170 ..... **3.79**

Cleaner Lube Kit

With 1¼-ounce bottles of cleaner and lubricant, plus 10 swabs. Gets hard-to-reach spots. **44-217** **1.99**

Pro-Style Solvent

Reduces Distortion

Freon TF* dissolves dirt, oxides on heads for better sound. 2 ounces.
44-1171 ..... **3.59**

Cleaner Spray

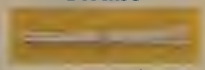
For All Tape Heads

Zero-residue spray cleans dirt and oxide deposits. 6 ounces.
44-1014 ..... **2.99**

Head Cleaner Solution

Cleans heads, guides, rollers, more to cut distortion. 2 ounces.
44-1010 ..... **99¢**

Flexible Foam Swabs



Ultra-Thin

Cleans in tight spots. Antistatic.
44-1001, Pkg. 10/2.19

Cleaning Swabs

Clean delicate audio, video equipment like the pros. Lintless foam.
44-1094, Pkg. 10/2.09

Cleaning Sticks

Cotton-tipped 6" wood sticks for cleaning hard-to-reach parts.
44-1093, Pkg. 100/1.49

"Non-Slip" Solvent

Reduce Wow And Flutter

Stops slippage of idler wheels, belts and cords. Fast drying. 2 ounces.
44-1013 ..... **99¢**

Cleaning Cloths

All Purpose

Chemically treated for cleaning equipment, tapes, dust covers.
44-1088, Pkg. 4/1.79

Deluxe Cassette Tape Splicer

Cut/trim lever. With one roll splicing tape.
44-214 ..... **6.99**

Editing Block

For All Tape Sizes

Aluminum splicer has 90° and 45° cutting blade, mounting strip.
44-224 ..... **3.99**

Universal Splicer

Dual-guide design for tape-to-tape editing. Holds tape for precise cuts. **44-216** ... **1.99**

Splicing Tape

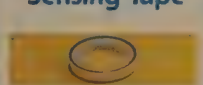
Comes in 100" roll.

Width	Cat. No.	Each
7/32"	44-1125	.89
3/8"	44-1126	.89
1/8"	44-1128	.89

Leader Tape

For indexing tape. 7/32 x 200" roll.
44-1131 ..... **99¢**

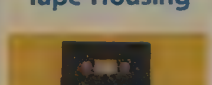
Sensing Tape



Metallic

Stops, reverses decks with contact or photo-sensors. 100" roll.
44-1155 ..... **1.99**

Tape Housing

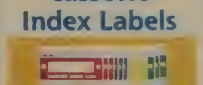


Replace damaged cassette housing. With 24" of leader tape.
44-626 ..... **1.19**

Cassette Boxes

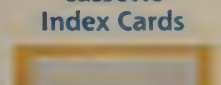
Protect your valuable tapes. Hinged.
44-611 .. **Pkg. 3/1.39**

Cassette Index Labels



Self-adhesive. Includes six each of red, yellow, blue and green.
44-621, Pkg. 24/99¢

Cassette Index Cards



Replace original used-up cards. Fit standard cassette boxes.
44-623 .. **Pkg. 20/1.29**

Molded Cassette Mailers

Great for cassette "letters" or demo tapes. Comply with First Class postal regulations.
44-608 ... **Pkg. 3/99¢**

Budget Cassette Mailers

Heavy-duty cardboard boxes meet First Class postal regulations. With labels.
44-632 .. **Pkg. 6/89¢**

Double Header 8-Track Cleaner

One end cleans head, other cleans capstan rollers. Non-abrasive.
44-208 ..... **3.59**

On/Off Foot Switch

Easy To Use

Provides hands-free remote on/off control for typing from dictation.
44-610 ..... **3.49**

Phone Pickup Coil

For recording personal phone calls. Attaches to phone receiver.
44-533 ..... **1.99**

May be incompatible with electronic phones

Car/Boat Adapter

For Most Portables

Plugs into lighter. 6V/9V DC output. 12VDC neg. gnd. **14-844** **6.95**

*FREON TF IS A TRADEMARK OF E.I. duPONT de NEMOURS & CO., INC.

Organize and Protect Your Audio and Video Tapes

Audio Cassette Case

18.95

Both Ends Open

Holds 60 boxed or 120 unboxed cassette tapes. **44-679** **18.95**

Padded Audio Tape Case

14.95

Rip-Stop Material

Protects 30 boxed or 60 unboxed cassettes. **44-686** **14.95**

Audio Tape Carry Case

9.95

Rugged Vinyl

Stores 24 boxed or 48 unboxed tapes easily. **44-658** **9.95**

Audio Cassette Case

6.95

Deluxe Vinyl

Holds 12 boxed or 24 unboxed cassettes. **44-657** **6.95**

Cassette Wallet

6.95 NEW FOR '90

Durable Fabric

Ideal for traveling! Secures 6 audio tapes in individual compartments. **44-692** **6.95**

Universal Carry Case

9.95

Carry Strap

Holds up to 10 audio cassette tapes or your personal stereo. **44-681** **9.95**

Cassette Case

7.99

Slim Design

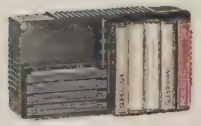
Stores 15 boxed audio tapes or most personal players. Carry strap. **44-688** **7.99**

STEREO-MATE® Case

7.95 With Belt

For tape or AM/FM radios. Padded nylon with zipper. 7 × 4 3/8 × 1 3/4". **44-689** **7.95**

Audio Cassette Module



2.49 Each

Interlock For Stacking

Units interlock and stack horizontally or vertically. Holds 10 boxed or 16 unboxed tapes. **44-685** **2.49**

Solid Oak CD/Audio Cassette Case

NEW FOR '90

29.95

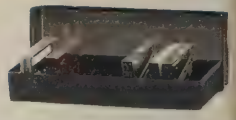
¼" Oak Construction

Holds 42 tapes, 60 CDs, 30 game cartridges or a combination of them all. **44-693** **29.95**

Handy Audio Cassette Tray

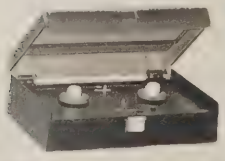
3.89

Holds 15 Tapes



Convenient storage container with tinted, removable cover keeps out harmful dust. Molded construction. **44-665** **3.89**

Video Tape Rewinder



29.95

Auto-Stop

Saves time, wear on VCR heads. Use for VHS only. Requires 4 alkaline "C" batteries or AC adapter. **44-1140** **29.95**

VHS/Beta Video Tape Deluxe Rewinder

39.95

Auto-Stop

NEW FOR '90

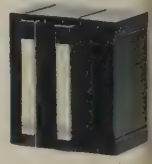
Available Sept. 30, 1989

Rewind or fast-forward your video cassettes quickly and easily. Saves wear on VCR motor. With UL listed AC adapter. (or DC adapter, extra). **44-1141** **39.95**

Video Tape Storage Module

4.99

Holds Six Tapes



Keeps your VHS and Beta recordings organized. Interlocks to expand storage space. **44-1102** **4.99**

Universal VCR Cover

6.95

Static-resistant vinyl keeps out damaging dust. See-through front. Fits most standard VCRs. 5 × 18 × 13 1/4". **44-1182** **6.95**

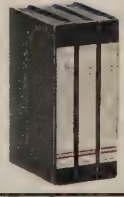
Deluxe VCR Cover

9.95

Quilted Material

Provides protection for your machine and allows heat and moisture to escape. Fits most VCRs. Measures 4 × 17 1/2 × 14". **44-1183** **9.95**

Video Tape Library Albums



2.99 Set of 3

Individual book-style storage cases protect your valuable VHS or Beta recordings. **44-1105** . . . . **Pkg. of 3/2.99**

Deluxe Storage Mailer

2.99

Ideal for long-term dust-free storage. U.S. Postal Service-approved. **44-1101** **2.99**

Relabeling Kit

1.59

For use with VHS or Beta video cassettes. Includes 10 label sets. **44-1103** **1.59**

Removable Relabeling Tape

1.99

Neatly label frequently recorded cassettes. 3/4 × 700" roll. **44-1156** **1.99**

Video Tape Labeling Kit

1.99

For Neat Labels

Twenty label cards and 10 adhesive-backed holders for neater labels. **44-1104** **1.99**

PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS

SUPERTAPE® Video Cassettes for Superior Quality

The Standard of Excellence for Video Recording and Playback

VHS T-120 Video Cassette. Delivers up to six hours recording time on LP mode. Excellent color stability and consistently clear picture. Compatible with all standard VHS recorders.
44-400 . . . . . 5.99

Beta L-750 Video Cassette. 4½ hours recording time. Long-life particle formulation—preferred for timeshift recording. **44-475** 5.99

VHS T-120 SUPERTAPE HG. Exceptional resolution and color reproduction at slow speed plus superior audio. New low price.
44-410 . . . . . 6.99

Beta L-750 SUPERTAPE HG. For incomparable picture and sound, play after play. Recommended for your archival-quality recordings.
44-480 . . . . . 7.99

VHS T-120 Pro High-Grade Video Cassette. The right choice for your master recordings. Premium fine-particle formulation delivers exceptional luminance and splendid chroma performance. Use in your hi-fi VCR for rich colors, enhanced detail and extended audio frequency response. With protective storage box.
44-411 . . . . . 9.99

VHS T-30 Pro High-Grade Video Camera Cassette. Specially designed for demanding commercial and semi-professional applications. Premium fine-particle formulation gives you outstanding chroma and luminance, extended audio frequency response, richer colors and razor-sharp detail. Protective storage box included.
44-412 . . . . . 7.99

VCR Cleaning Systems

12.95

- **Our Best Cleaners**
- **Load Like a Tape**

Nonabrasive system thoroughly cleans heads, capstans, pinch rollers and guides. With cleaning fluid.
VHS. 44-1185 . . . 12.95
Beta. 44-1186 . . . 12.95

Wet or Dry VCR Cleaner

9.95

Our Better System For VHS Equipment

Improve your record/play quality. Wet tape dissolves harmful deposits, dry carries them away.
44-1145 . . . . . 9.95

VCR Dry Cleaning System

6.95

Our Economical VHS Cleaner

Removes harmful deposits that build up on your VCR heads for better video. Simple to use—just insert into player like a tape. **44-1146** 6.95

Professional Quality 8mm Video Recording Tape

11.99 NEW FOR '90

MP-120 SUPERTAPE. Made with high-grade metal particle tape. Produces sharp, colorful images and superb digital sound even after multiple recordings and plays. Record up to four hours in LP mode. Compatible with any 8mm system. **44-451** 11.99

8mm VCR Cleaner

NEW FOR '90

10.95

Available Sept. 30, 1989

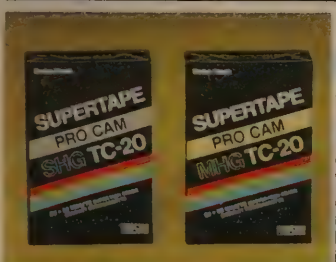
Nonabrasive cleaning system restores audio and video quality. With cleaning fluid. **44-1147** 10.95

Bulk Tape Eraser

31.95

For Video and Audio Tape

Erases faster, more completely than your recorder's head. UL listed AC.
44-233 . . . . . 31.95



High Grade VHS-C Camcorder Video Tapes

VHS-C TC-20 SHG Video Cassette. Super High Grade tape with exclusive formulation delivers brilliant, true-to-life colors. **44-430** 6.99

VHS-C TC-20 MHG Video Cassette. Master High Grade for best results at regular and slow-speed recording. Delivers dramatic colors, fine detail and improved sound. **44-431** 7.99

VHS-C VCR Cleaner

9.95

Reduces Wear

Keeps recorder heads clean. Improves picture quality. With cleaning fluid. **44-1187** 9.95

VCR Cleaning System

9.95

Complete Care Set

With brush, mirror probe, glove, Freon TF™. **44-1172** 9.95

TM E.I. DuPont de Nemours & Co. Inc.

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Learn About Electronics, Communications, Computers and More

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Shortwave Listening Guide. Learn how to start your own global "listening post" to monitor news from around the world. Explains basic radio theory in easy-to-understand language and includes equipment lists, common terminology and licensing information. 130 pages. **62-1084** **2.95**

Recording Great Audio. Learn how to record, amplify, mix and copy audio signals while maintaining high fidelity. Discusses microphone selection and placement, sound mixing techniques, editing, overdubbing, special audio equipment, more. A must for audiophiles! 128 pages. **62-1089** **4.95**

Building Speaker Systems. A detailed look at speakers and how to build them, from design and construction to the finishing touches. Includes plans and parts lists for four different speaker systems. 128 pages. **62-1087** **5.95**

Home/Auto Security Guide. Hints and "how-to's" for selecting and installing anti-theft devices for your home or automobile. 128 pages. **62-1086** ... **5.95**

Using Your Meter. Get the most from VOM and DVM multitesters! Circuit theory, how to make accurate measurements, practical applications and more! 128 pages. **62-2039** **3.95**

Understanding Artificial Intelligence. Covers history of AI, symbolic processing, expert systems, natural language processing, systems applications and much more. 272 pages. **62-1399** **3.95**

Antennas—Selection and Installation. Everything you need to know to properly select and install your custom antenna system. Includes satellite, TV, shortwave, cellular and other common types. 112 pages. **62-1083** **3.95**

Installing Your Own Telephones. 2nd edition. Concise illustrated step-by-step instructions help make installing telephone equipment quick and easy. Even has tips on troubleshooting common problems. 168 pages. **62-1390** **5.95**

Junior Engineering Basic Electronics 102. Comprehensive manual for experiments from Science Fair Project Kits is a superb introduction to the basic principles of electricity and electronics. 128 pages. **62-1005** **7.95**

Save on Telephone Services for Home and Business. Helps you decide (and save money!) on the right phone services for home or business. Includes a special chapter that explains how computers transfer information to each other over telephone lines. 168 pages. **62-1382** **7.95**

Electronics Data Handbook. Packed with tables, laws, formulas and data covering every aspect of electronics. Invaluable resource for hobbyists, engineers and students! 155 pages. **62-1085** **3.95**

Electronic Life-Style. An exciting full-color look at how electronic products are changing our lives. Learn about video, audio, CD, security, robots and more. Over 100 photos, many in full color. 160 pages. **62-2340** **9.95**

NEW! Understanding Lasers. Explains what lasers are and how they work. Gives in-depth information on gas, solid-state, semiconductor and other types of lasers. Includes reviews and quizzes at the end of each chapter. Clearly written with plenty of illustrations. 376 pages. **62-1333** **4.95**

NEW! How to Hook Up High-Tech Electronics. Get the most from your electronic equipment! Explains and illustrates how to properly connect video, audio, telephone, car and other electronics. Plus, you'll learn what features to look for and what they mean to you. 170 pages. **62-1088** **3.95**

Packet Radio—Digital Communications With Amateur Radio. Explains the "how-to's" of digital communications over amateur radio frequencies. Covers theory, computer-to-radio interfaces, much more. Loaded with fascinating illustrations. 160 pages. **62-1332** **6.95**

Computer Manuals And Tutorials

Learning BASIC for Tandy Computers. An excellent tutorial for learning BASIC programming. Written in concise, easy-to-understand language with lots of programming examples. By Dr. David Lien. 498 pages. **25-1500** **19.95**

MS-DOS: The Basics, Volume 1. Highly recommended tutorial for the beginner. Learn about using the popular MS-DOS operating system with applications software. Written by renowned computer expert Dr. David Lien. 146 pages. **25-1506** **7.95**

MS-DOS: Advanced Applications, Volume 2. Another Compusoft masterpiece. Get into the more advanced features of MS-DOS with Volume 2. Learn about subdirectories, batch files, custom features and more. **25-1507** **14.95**

MS-DOS/GW-BASIC Reference Guide. Complete guide to all MS-DOS and GW-BASIC commands (versions 2.11 and 3.20). Covers syntax, switches and all utilities. For use with all Tandy 1000s and 1400 LT. **25-1508** **29.95**

Graphics and Sound for the Tandy 1000. Take advantage of the Tandy 1000-series computers' amazing high-resolution graphics and 3-voice sound with this BASIC tutorial. Covers custom character fonts, graphing techniques, music, high-speed animation and much more! Written by computer whiz Bill Barden. 262 pages. **25-1512** **7.95**

NEW! Getting the Most out of DeskMate 3. An advanced guide that shows how DeskMate's tools are related and how to use them efficiently in real applications. **25-1254** **21.95**

Learning BASIC for Tandy 200. Tutorial for learning BASIC programming. Written by Dr. David Lien. 596 pages. (May require special order in some stores.) **26-3869** **19.95**

Complete Rainbow Guide to OS-9 Level Two. Helps you build programming skills with ease, using Tandy Color Computer and OS-9 operating system. Comprehensive overview with hands-on examples and utility commands set. **26-3188** **19.95**

BASIC 09 Tour Guide. Thoroughly covers operating system and language, includes reference guide to system commands and keywords in alphabetical order. For Tandy Color Computer. **26-3189** **14.95**

Technical Manuals For Tandy Computers

Technical reference manuals are available for all Tandy computers. Indispensable for technicians, hobbyists, anyone involved in repair or making modifications. Each comprehensive manual includes schematic diagrams, electrical and mechanical specifications, integrated circuit pinouts, bus interfacing information, theory of operation and more. Visit your nearby Radio Shack Store or Computer Center to special order the Tandy Computer Technical Manual you need.

Hi-Power Flat-Face AM/FM Autosound Cassettes

Our exclusive, famous-name autosound brands give you more features and quality for the money! Compare and you'll see. And, unlike many others, we include cable for two speakers, plug-in wiring harness, mounting hardware, and illustrated installation/owner manuals.

Auto-Reverse, 30 Watts, Digital Display, Dolby* B NR, CD Jack, 30 Memory Presets

NEW FOR '90

259.95 Low As $15 Per Month

Available Oct. 15, 1989

Introducing our first Optimus autosound player! Designed for serious listeners, it packs 15 watts per channel and all the big features. You get fresh styling, handy front-panel 1/8" jack for connecting a portable CD player, in/out jacks for adding an equalizer or amplifier, and separate bass and treble. Six-station memory scan, local/DX button and frequency recall. Memory system auto-stores strong stations. Cassette has Auto-Search Music System for finding songs fast, metal-chrome selector and locking fast-forward/rewind with direction-change feature. Auto-reverse plays both tape sides, Dolby B NR cuts tape hiss and extends dynamic range. Front/rear fader. Night illumination.

12-1938 (TSP available) **259.95**

- **Extra-Large LCD Digital Tuning/Time Display**
- **18 FM and 12 AM Station Presets**
- **Up/Down Seek Tuning**
- **Fader Control**
- **Auto Memory System**
- **Key-Off Tape Release**

"Pull-Out" Chassis, 30 Watts, Digital Display, Dolby B NR, CD Jack, 18 Memory Presets

279.95 Low As $15 Per Month

Enjoy superb 15 watts per channel autosound and stop worrying about car stereo theft! Removable chassis and handy pull-out/carry handle provide quick and easy theft protection. Has front-panel 1/8" jack for connecting portable CD player. Tuner features up/down seek, Auto-memory system and local/DX button. Dolby B NR on cassette. Auto-reverse plays both sides of tape, auto-search finds songs fast. Key-off release, metal-chrome selector. Night illumination, loudness button, line in/out jacks, up to 10-day time/memory backup.

12-1935 (TSP available) **279.95**

- **Instant Slide-In, Slide-Out Design**
- **Auto-Reverse**
- **Front/Rear Fader Control**
- **LCD Digital Tuning/Time Display**
- **12 FM/6 AM Presets**
- **6-Station Preset Scan**

Auto-Reverse, 30 Watts, Digital Tuning

189.95

Extra features with "flat-face" style! Has 15 watts per channel, separate bass and treble, line in/out jacks and fader control. Tuner has one-touch seek tuning, frequency recall control and FM local/DX button. Cassette has metal-chrome selector and locking fast-forward/rewind with direction-change feature.

12-1931 (TSP available) . . **189.95**

- **LCD Tuning/Time Display**
- **Six FM and Six AM Presets**
- **"Soft Green" Illumination**
- **Key-Off Cassette Release**

24 Watts, Front/Rear Fader, Auto-Stop

79.95

High power, low cost and "flat-face" design make it ideal for many late-model European and Honda cars. Has front/rear fader for four-speaker systems and slide-action bass and treble controls. FM mono/stereo button, locking fast-forward/manual eject control.

12-1922 (TSP available) . . . **79.95**

- **12 Watts Per Channel Amp**
- **Night Illumination**
- **Separate Bass and Treble**
- **FM Stereo/Mono Button**

SEE AUTOSOUND INSTALLATION INFORMATION ON PAGE 57 / *TM DOLBY LABORATORIES LICENSING CORP.

Hi-Power Digital In-Dash AM/FM Stereo Cassettes

Auto-Reverse, 28 Watts, Dolby* B Noise Reduction and Front/Rear Fader

249.95

Low As $15 Per Month

NEW FOR '90

- **Six FM and Six AM Presets**
- **Night Illumination**

Top performer with 14 watts per channel, separate bass and treble controls and front/rear speaker fader. Quartz-locked tuner with presets, manual up/down and seek modes. LCD time/frequency display. FM signal-enhancer IC. Cassette has auto-search, locking fast-forward/rewind, metal/chrome selector and auto-eject. Remote-type CD jack with 38" cable. Line-out jacks.
12-1936 (TSP available) **249.95**

*TM Dolby Laboratories Licensing Corp.

All With Digital Tuners and 12-Watt-Per-Channel Amplifiers

Auto-Reverse, Seek and Scan

159.95

Low As $15 Per Month

Twelve presets plus seek tuning to lock in the next strong station. Auto-scan tuning provides a brief sampling of each station. Front/rear speaker fader. LED tuning/time display. Signal-enhancer IC and manual FM mono/stereo control. Loudness control boosts bass at low volume levels. Metal-chrome selector, locking fast-forward/rewind, LED direction indicators, key-off tape release. Night illumination.
12-1912 (TSP available) **159.95**

Five-Band EQ and Auto-Reverse

149.95

Low As $15 Per Month

Similar to #12-1912 above, but without auto-scan and loudness. Features a built-in equalizer that lets you "customize" frequency response.
12-1930 (TSP available) **149.95**

AM Stereo and FM Stereo

139.95

Low As $15 Per Month

High-power amplifier plus Motorola C-Quam* AM stereo, fader, night illumination. Manual, 12-preset and seek tuning. LED tuning/time display with frequency recall control. **12-1933** (TSP available) **139.95**

*TM Motorola, Inc.

Lowest Priced Hi-Power Digital

129.95

Low As $15 Per Month

Separate bass and treble controls and a front/rear fader. Manual, 12-preset, seek and scan tuning. LED time/frequency display. Metal-chrome tape selector. Night illumination.
12-1926 (TSP available) **129.95**

APPLY FOR REVOLVING CREDIT TODAY AND INCREASE YOUR BUYING POWER—SEE PAGE 3

Value-Packed In-Dash AM/FM Stereo Cassettes

High Power, Digital-Electronic Tuning, Auto-Reverse in a Mini Size

179.95

Low As $15 Per Month

NEW FOR '90

- **LCD Tuning/Time Display**
- **Six FM and Six AM Presets**

Just right for many compact cars. Features 14 watts per channel, separate bass and treble controls, built-in loudness and front/rear speaker fader. Tuner has 12-station memory and seek tuning. Signal-enhancer IC and mono/stereo control. Auto-eject. Line-out jacks for adding external amplifier. Night illumination.
12-1937 (TSP available) **179.95**

Lowest Priced Mini-Size In-Dash

59.95

"Mini" chassis fits in the dash of almost any car and delivers excellent sound. Auto-stop at end of tape, locking fast-forward/manual eject, lighted radio dial. FM stereo/mono control. Eight watts total output. **12-1927** (TSP available) **59.95**

Compact-Size With Auto-Reverse

89.95

Feature-packed, fits almost any car! Program control gives you instant access to the other side of the tape. LED direction indicators, locking fast-forward and rewind with separate controls. Manual eject. FM stereo/mono control. Eight watts total output.
12-1928 (TSP available) **89.95**

Digital Tuning, 12 Memory Presets

99.95

Low As $15 Per Month

Tuner features LED display, seek and scan, FM signal optimizer circuit and mono/stereo control. Cassette has locking fast-forward/manual eject button, auto-stop. Night illumination. Eight watts total output. **12-1924** (TSP available) **99.95**

HANDY INSTALLATION INFORMATION FOR REALISTIC IN-DASH AUTOSOUND EQUIPMENT

Cat. No.	Chassis Type	Body Size (H × W × D)		Nosepiece Size (H × W × D)		Control Shaft Spacing (Adjustable)	
		Inches	Millimeters	Inches	Millimeters	Inches	Millimeters
12-1912 ✓	DIN-C	1 3/4 × 7 1/16 × 5 9/16	44 × 178 × 135	1 21/32 × 4 1/8 × 27/32	42 × 105 × 21	5 1/8 to 5 13/16	130 to 148
12-1922	DIN-E (FF)	2 1/16 × 7 3/32 × 4 15/16	52 × 180 × 125	(no nosepiece)	—	(no shafts)	—
12-1924 ✓	DIN-C	1 31/32 × 7 1/16 × 5 9/16	50 × 178 × 135	1 21/32 × 4 1/8 × 1 3/8	42 × 105 × 35	5 1/8 to 5 13/16	130 to 148
12-1926 ✓	DIN-C	1 31/32 × 7 1/16 × 4 15/16	50 × 178 × 125	1 3/4 × 4 1/8 × 1 15/32	44 × 105 × 37	5 1/8 to 5 15/16	130 to 152
12-1927 ✓	Mini/Univ.*	1 31/32 × 6 7/16 × 4 5/8	50 × 164 × 120	1 21/32 × 3 11/16 × 1 3/8	42 × 92 × 35	5 1/8 to 5 13/16	130 to 148
12-1928 ✓	Mini/Univ.*	1 31/32 × 6 7/16 × 4 5/8	50 × 164 × 120	1 21/32 × 3 11/16 × 1 3/8	42 × 92 × 35	5 to 5 13/16	125 to 148
12-1930 ✓	DIN-C	1 31/32 × 7 1/16 × 5 9/16	50 × 178 × 135	1 3/4 × 4 1/8 × 1 3/16	44 × 105 × 31	5 1/8 to 5 13/16	130 to 148
12-1931	DIN-E (FF)	1 31/32 × 7 1/16 × 5 1/2	50 × 178 × 139	(no nosepiece)	—	(no shafts)	—
12-1933 ✓	DIN-C	1 31/32 × 7 1/16 × 4 15/16	50 × 178 × 125	1 3/4 × 4 1/8 × 1 1/4	44 × 105 × 32	5 1/8 to 5 15/16	130 to 152
12-1935	DIN-E (FF)	1 31/32 × 7 1/16 × 5 7/8	50 × 178 × 150	(no nosepiece)	—	(no shafts)	—
12-1936	DIN-C	1 31/32 × 7 1/16 × 5 9/16	50 × 178 × 135	1 3/4 × 4 1/8 × 1 1/4	44 × 105 × 33	5 1/8 to 5 13/16	130 to 148
12-1937	Mini/Univ.	1 31/32 × 6 5/16 × 4 5/8	50 × 160 × 120	1 21/32 × 3 11/16 × 1 3/8	42 × 92 × 35	5 1/8 to 5 13/16	130 to 148
12-1938	DIN-E (FF)	1 31/32 × 7 1/16 × 5 3/4	50 × 178 × 145	(no nosepiece)	—	(no shafts)	—

DIN-C size fits in dash of most European and many larger Japanese cars, many domestic mid-size cars. DIN-E is "flat-face" design for many late-model European cars and Hondas. Mini fits smallest Japanese cars, most domestic compacts and subcompacts. ✓ Includes rubber gaskets for nosepiece in both Ford and GM styles. *Fits standard and import-size cars. GENERAL INFORMATION: All players include ample cable for two speakers, plug-in wiring harness with labeled leads, fuse, switched power lead for accessories (except 12-1927), mounting hardware, illustrated instructions, trim plates and nosepieces. For 12 VDC negative ground only. CAUTION: High-power players require 4-wire ungrounded speaker wiring. NOTE: 6 5/16" (160 mm) shaft spacing is standard for most domestic trucks.

SEE OUR COMPLETE LINE OF AUTOSOUND SPEAKERS AND SPEAKER SYSTEMS ON PAGES 60 AND 61

Amps, Under-Dash Cassettes and Accessories

160-Watt Autosound Stereo Power Amp

NEW FOR '90

139.95 Low As $15 Per Month

- **80 Watts Per Channel**
- **20-30,000 Hz Response**

Features front-panel input level control to match output of your audio system. Auto power-on with LED indicator, DC-to-DC switching power supply and gold-plated, high/low impedance noise-isolated input jacks. Overload protected. With mounting hardware and instructions. Slim-line design easily fits under seat or dash. 1½ × 8¾ × 7½". **12-1960** (TSP available) **139.95**

80-Watt, Slim-Line Stereo Amplifier

79.95

- **40 Watts of Driving Power Per Channel**
- **20-25,000 Hz Response**
- **Slim Design**

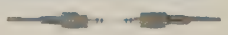
Delivers plenty of power and clean sound. Features auto power-on with LED indicator, built-in DC-to-DC switching power supply and high/low impedance noise-isolated input jacks for easily adding components. Fully protected against overload. With mounting hardware and instructions. 1 × 7 × 6⅞". **12-1957** (TSP available) **79.95**

CD-to-Cassette Adapter

19.95 Add CD To Car Stereo

Plug into portable CD player's ⅛" headphone jack and insert like a regular cassette. Also use with home or portable decks. **12-1951** **19.95**

Shielded Cable



Connect CD with ⅛" headphone or line jack to stereo with ⅛" line-in jack. 6-ft. **42-2387** **3.49**

NEW! Ground Loop Isolator

Eliminates ground-loop noise. Installs between CD player and EQ or amp input. **270-054** . . **10.95**

Line-Level, 7-Band Stereo Equalizer

39.95 7-Band Frequency Control

Adds precise tone control to amps and equipment having line-level in/out. Slide-action controls with 12 dB range, bypass button, RCA-type connectors. Band centers: 60, 150, 400, 1000, 2400, 6000, 15,000 Hz. 15/16 × 5⅞ × 4". **12-1867** (TSP available) **39.95**

FM Signal Booster Improves Reception

19.95 Ideal for Travelers

Boosts FM signals by more than 10 dB to bring more stations in clearly. Easy hookup. With mounting hardware. 12VDC negative or positive ground. 1 × 2 5/32 × 3 11/16". **12-1873** **19.95**

Converter Adds FM to AM

21.95

Uses existing AM radio antenna—easy to install under dash. Lighted dial. 1 3/16 × 4 × 5 1/4". With mounting hardware. **12-1350** **21.95**

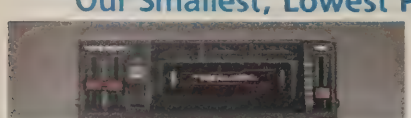
Cassette Adapter for 8-Track Decks

39.95

- **No Rewiring**
- **Auto-Stop**

Plays stereo cassettes horizontally on most car or home 8-track equipment. Locking fast forward and manual eject controls. 1¾ × 4¾ × 9⅞". **12-1875** (TSP available) **39.95**

Our Smallest, Lowest Priced Stereo



34.95 Easily Fits Under Dash

Good sound and all the basic features. Auto-stop, locking fast-forward/eject control, sliding volume/balance/tone controls. 1 11/16 × 5½ × 5½". Has 8 watts total output. **12-1984** (TSP available) **34.95**

Auto-Reverse Stereo Cassette Player With Auto-Search Music System

NEW FOR '90

69.95 Our Best Under-Dash Stereo

- **Auto-Search Makes It Easy to Find Tape Selections**

Auto-reverse plays both tape sides in sequence, and the auto-search system advances tape to the next selection or replays a selection. Features locking fast-forward/rewind, LED tape-direction indicators, rotary volume/tone controls and slide-action balance control with center "click". 1¾ × 5 11/16 × 5 5/16". Has 8 watts total output. **12-1985** (TSP available) **69.95**

Autosound Stereo Boosters and Equalizer/Boosters

7-Band, 120-Watt Equalizer/Booster

Our best puts 90 watts to the rear speakers and 30 to the front. Boost/cut response in precise 2 dB steps and "see" adjustments on the 84-LED display. Ten-LED power meter, loudness control, fader. Boost/cut range: 12 dB. Band centers: 60, 150, 400, 1000, 2400, 6000 and 15,000 Hz. Speaker-level and line-level inputs. $1^{15}/_{16} \times 7^{1}/_{4} \times 6^{3}/_{4}$".
12-1958 (TSP available) **119.95**

119.95

Low As $15 Per Month

7-Band, 60-Watt Equalizer/Booster

Features switchable 4/8 ohm speaker output and front/rear speaker fader control. Backlit slide-action controls increase or cut response up to 12 dB in bands centered at 60, 150, 400, 1000, 2400, 6000 and 15,000 Hz. Dual-range, 10-LED power meters. Speaker-level and line-level inputs. $1^{7}/_{8} \times 7^{1}/_{8} \times 6^{1}/_{4}$".
12-1959 (TSP available) **79.95**

79.95

Input Jack For Portable CD Player

40-Watt Stereo Boosters and Equalizer/Boosters—Feel the Power!

Improve your present car stereo system! All models below give you plenty of clean audio power and widened dynamic range for an autosound difference you'll really hear! The boosters with built-in equalizer can increase or cut frequency response up to 12 dB in separate bands. You can "punch up" the bass, smooth out the midrange, and shape the sound to suit your car and your taste!

Compact 40-Watt Stereo Power Booster

Tiny, yet powerful booster fits easily under any dash and delivers a big improvement in sound at low cost. LED power "on" indicator. Only $1 \times 4^{3}/_{16} \times 4^{5}/_{16}$".
12-1869 ..... **19.95**

19.95

Low-Priced, 5-Band Equalizer/Booster

Our lowest priced equalizer/booster combo puts five bands of tone control at your fingertips, plus plenty of extra power. Delivers outstanding sound to your 2-speaker system. Band centers: 60, 250, 1000, 3500 and 12,000 Hz. LED "on" indicator. $1^{11}/_{16} \times 5 \times 6$".
12-1952 (TSP available) **39.95**

39.95

Seven Bands, Fader, Slim Design

Equalizer/booster has a thin-line design for easy installation in small vehicles. Features a 5-level, 10-LED power meter and fader control for 4-speaker systems. Night illumination. Band centers: 60, 150, 400, 1000, 2400, 6000, 15,000 Hz. $1^{3}/_{16} \times 5^{7}/_{8} \times 5^{3}/_{4}$".
12-1954 (TSP available) **54.95**

54.95

Seven Bands, Fader, CD Input Jack

Feature-packed equalizer/booster has backlit controls for easy night viewing and a jack for connecting a portable CD player. Features a 10-level, 20-LED power meter and front/rear fader control for balancing 4-speaker systems. Band centers: 60, 150, 400, 1000, 2400, 6000 and 15,000 Hz. Power "on" LED indicator. Line-level input for use with separate components—works with virtually all autosound equipment. $1^{3}/_{4} \times 6^{3}/_{8} \times 5^{1}/_{8}$".
12-1955 (TSP available) **59.95**

59.95

NOTE: BOOSTERS RATED TOTAL WATTS RMS OUTPUT, BOTH CHANNELS. BOOSTERS REQUIRE 4-WIRE UNGROUNDED SPEAKER WIRING. FOR 12VDC NEG. GND. ONLY. ILLUSTRATED INSTRUCTIONS AND UNDER-DASH MOUNTING HARDWARE INCLUDED.

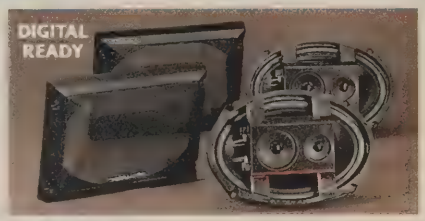
Matched Speakers for Hi-Performance Autosound

Heavy-Duty 8" 2-Way Speakers

189.95 Pair Low As $15 Per Month **200 Watts Capacity Per Pair**

Carpeted, ported enclosures fit behind seat in pick-ups, vans and other vehicles without a rear deck. Moistureproof polypropylene 8" woofer with 1½"-diameter voice coil for thunderous bass. Top-firing piezo tweeter. Carrying handle. 12½ × 18½ × 6¼" Impedance, 4 ohms.
12-1712 (TSP available) . . . . . **Pair 189.95**

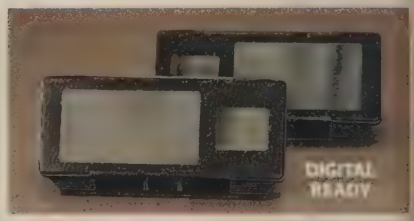
Superb 6 × 9" 3-Way Flush-Mount



99.95 Pair Low As $15 Per Month **120 Watts Capacity Per Pair**

Massive 16-ounce magnet and moistureproof 6 × 9" polypropylene woofer deliver driving bass. Bridge-mounted 2½" midrange and 1½" piezo cone tweeter have ultra-smooth response for life-like stereo. Open-mesh grille, molded housing. No retainer rings required.
12-1859 (TSP available) . . . . . **Pair 99.95**

4-Way Bass-Reflex Surface-Mount



NEW FOR '90 **79.95 Pair** **100 Watts Capacity Per Pair**

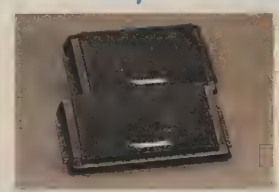
Bass-reflex design and 4" woofer with 8-ounce barium magnet combine to deliver rock-solid bass. Two 1" tweeters provide superior dispersion of high frequencies. Features 2" midrange for smooth mid-frequency response. Grille with punched metal mesh. 5 1/16 × 11 7/16 × 6 11/16".
12-1713 (TSP available) . . . . . **Pair 79.95**

6 × 9" 2-Way Flush-Mount

69.95 Pair
80 Watts Capacity Per Pair
DIGITAL READY
Available Oct. 30, 1989

The moistureproof 6 × 9" polypropylene woofer with 10-ounce magnet, and 2½" tweeter combine for strong bass and dynamic highs. Slim design to fit in tight spaces. Open-mesh grilles.
12-1715 (TSP available) . . . . . **Pair 69.95**

3-Way 5¼" Plate-Mount



69.95 Pair
80 Watts Capacity Per Pair
DIGITAL READY

Feature individually mounted 5¼" woofer, 2½" midrange and 1²/₃" tweeter. Fits from 5¼" round hole to standard 6 × 9" cutout. Molded housing, open-mesh grilles. 2²/₃ × 9¾ × 6¾".
12-1711 (TSP available) . . . . . **Pair 69.95**

5¼" 3-Way Flush-Mount

59.95 Pair
DIGITAL READY
60 Watts Capacity Per Pair

Big 5¼" woofer with 17.6-ounce magnet pumps out deep bass. Has 2" midrange and 1" piezo tweeter for smooth response. For rear deck or door panel. Molded housing, open-mesh grilles.
12-1708 (TSP available) . . . . . **Pair 59.95**

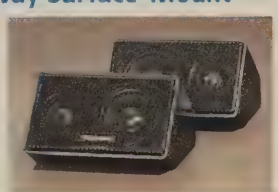
5¼" 2-Way Surface-Mount

59.95 Pair
DIGITAL READY
60 Watts Capacity Per Pair

Individually mounted 5¼" woofer and 2¼" cone tweeter. Efficient 7.9-ounce magnet. Open-mesh grilles, molded housing. 5⅝ × 10⅛ × 6⅛".
12-1706 (TSP available) . . . . . **Pair 59.95**

Mini 2-Way Surface-Mount

39.95 Pair
30 Watts Capacity Per Pair



Space-savers with remarkable sound. Each has a 3" woofer and 2" tweeter. Wedge-shaped to fit securely on rear deck. 3⅞ × 5⅛ × 6¼".
12-1707 (TSP available) . . . . . **Pair 39.95**

Full-Range 4" Flush-Mount

29.95 Pair
DIGITAL READY
40 Watts Capacity Per Pair

Only 1½" deep. Fit in doors or wherever space is tight. Dual-cone, moistureproof polypropylene driver, high-efficiency 4.8-ounce magnet. Open-mesh grilles. **12-1704** . . . . . **Pair 29.95**

Compact 5¼" Flush-Mount

29.95 Pair
DIGITAL READY
40 Watts Capacity Per Pair

Only 1¼" deep, they fit in the shallowest doors and kick-panels—"the" speakers for small imports. Attractive molded housing. With moisture shield, metal grilles. No retainer rings needed.
12-1703 . . . . . **Pair 29.95**

Budget 5¼" Surface-Mount

19.95 Pair
20 Watts Capacity Per Pair

Feature wide-response dual-cone speakers with 2.85-ounce magnets. Durable molded housings.
12-1709 . . . . . **Pair 19.95**

Compact 3" Surface-Mount

13.95 Pair
12 Watts Capacity Per Pair

Fit most subcompacts. Wide-range speakers in molded housings. **12-1710** . . . . . **Pair 13.95**

Speakers and Accessories for Custom Autosound

Die-Cast, 2-Way Minimus®-7

49.95 Each

DIGITAL READY

40 Watts Capacity

Mounting Bracket

With 4" woofer, 1" tweeter. 7 1/16 × 4 7/16 × 4 5/16". Black, 40-2030. White, 40-2045 . . Each 49.95
Mounting Brackets. 40-2031 . . . . . Pair 17.95

12" Dual-Wound Voice Coil Subwoofer

59.95 Each NEW FOR '90

120 Watts Total Capacity

Thunderous bass for your autosound system. Huge 19-ounce magnet.
40-1350 . . . Each 59.95

2-Way Auto Speaker Crossover Network

NEW FOR '90

16.95

100 Watts

Available Sept. 30, 1989

Makes it easy to design and build your own car speaker system. Sealed polyurethane enclosure. Crossover point: 6000 Hz. 12 dB/octave. 3 7/16 × 5 1/16 × 1 15/16". **40-1305** **16.95**

Minimus-3.5 Speaker

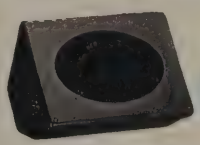
23.95 Each

15 Watts Capacity

Mounting Bracket

Get amazing sound from a 3½" speaker in a 5 5/8 × 3 5/8 × 3 3/8" enclosure.
40-1996 . . . . . **Each 23.95**
Mounting Brackets. **40-1997** . . . . . **Pair 11.95**

6 × 9" Speaker Enclosures



39.95 Pair For Most 6 × 9" Speakers

TM Nu-Decor, Inc.

Professional-looking surface-mount enclosures. Pre-drilled Acoustifoam™ and spring-lever quick-disconnects for easy hookup. 8½ × 11 3/8 × 9½".
40-170 . . . . . **Pair 39.95**

3¾" Flared-Horn Piezo Tweeter

NEW FOR '90

9.95 Each

Specially designed for wide, controlled dispersion of highs throughout the passenger compartment. Response: 4-25 kHz. SPL: 92 dB (1W/1M).
40-1397 . . . . . **Each 9.95**

3½" Speakers

Low As 4.95 Each

Cat. No.	Magnet Wt.	Watts	Each
40-1325	5.0 oz.	20	8.95
40-1333	2.8 oz.	4	4.95

4" Speakers

Low As 4.95 Each

Cat. No.	Magnet Wt.	Watts	Each
40-1197	6.8 oz.	10	10.95
40-1208	0.53 oz.	2	4.95

5" Speakers

Low As 5.95 Each

Cat. No.	Magnet Wt.	Watts	Each
40-1284	9.8 oz.	20	10.95
40-1909	5.3 oz.	10	7.95
40-1240	2.8 oz.	5	5.95

5¼" Speakers

Low As 6.95 Each

Cat. No.	Magnet Wt.	Watts	Each
40-1354	10.0 oz.	40	13.95
40-1241	3.3 oz.	8	6.95

4 × 6" Speaker

6.95 Each

10 Watts Capacity

Wide-range sound! Has 5.3-ounce magnet. Replace your worn-out speaker. **40-1298** . . . . . **Each 6.95**

5 × 7" Speaker

10.95 Each

10 Watts Capacity

Fits Chrysler and Toyota rear decks. Has 3-ounce magnet. 4/8/16 ohms.
40-1261 . . . . . **Each 10.95**

4 × 10" Speakers

Low As 12.95 Each

Cat. No.	Magnet Wt.	Watts	Each
40-1297	10.0 oz.	30	14.95
40-1243	5.3 oz.	10	12.95

6 × 9" Speakers

Low As **10.95 Each**

Cat. No.	Magnet Wt.	Watts	Each
40-1265	10.0 oz.	30	14.95
40-1268	5.3 oz.	10	12.95
40-1269	3.0 oz.	6	10.95

6 × 9" 3-Way Speaker

26.95 Each

30 Watts Capacity

Full-range sound. Woofer has 10-ounce magnet. 3" midrange, ½" tweeter. **40-1356** . . . . **Each 26.95**

6 × 9" Steel Grille

3.39 Each Guards Speaker

Covers 6 × 9" car speakers. Complete with hardware and template.
40-1175 . . . . . **Each 3.39**

Wire-Mesh Grilles

(1)

Low As **4.79 Each**

(2)

Mounting Screws Included

(1) 5¼". **40-1336** . . . . . **Each 4.79**
(2) 6 × 9". **40-1335** . . . . . **Each 6.59**

Molded Grilles

(1)

Low As **1.99 Each**

(2)

(1) 4" or 5". Tops for door-mount speakers. **40-1291** . . . . **Each 1.99**
(2) 6 × 9". Protect rear deck speakers. **40-1337** . . . . . **Each 3.29**

8" and 12" Round Grilles

Low As **7.95 Each** NEW FOR '90

Available Sept. 30, 1989

Wire Mesh ■ With Hardware

8". **40-1345** . . . . . **Each 7.95**
12". **40-1346** . . . . . **Each 9.95**

Selector Switch

4.79 With Hardware

Lets you switch between tape player and radio using the same speakers. Mounts under dash. Includes complete instructions. **270-045** **4.79**

Stereo Fader Control

6.79 Handles 5 Watts

Controls front-to-rear speaker balance to suit your taste. Easy to install. Mounts under dash. With instructions.
270-047 . . . . . **6.79**

High-Power Fader

8.79 Handles 50 Watts

For front-to-rear balancing of four speakers. Works with stereos having up to 25 watts per channel. Mounts under dash. **270-048** **8.79**

ALL FADERS AND SELECTORS HAVE 8 OHMS IMPEDANCE, COLOR-CODED LEADS AND INCLUDE INSTRUCTIONS

Values in Autosound Antennas and Accessories

Car Locator! Find Your Car, Fast!

99.95 NEW FOR '90

- Built-In "Panic Button" Scares Away Vandals
- Works Up to 2 Blocks Away

Flashes parking lights, sounds whistle to locate car in a crowded parking lot. Deters attackers with siren. 12VDC neg. gnd. Pocket transmitter includes battery. Extra transmitters available on special order from CMC.
49-800 ..... **99.95** Available Sept. 30, 1989

Electronic Compass

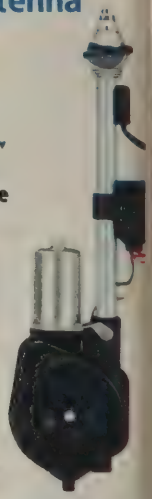
54.95 Flux-Gate Technology

Works on same principle as commercial airliner compass! Measures earth's magnetic field in two directions. Full-color, lighted 360° graphic display. For dash or windshield. Connects to electrical system or plugs into lighter socket. 2 1/8 × 3 × 2 7/8". 12VDC neg. gnd.
63-641 ..... **54.95**

AM/FM Power Antenna

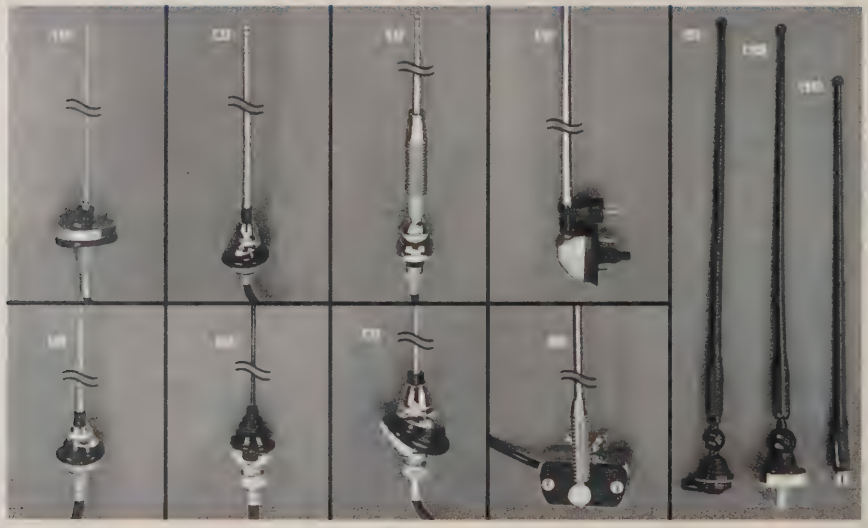
39.95

Requires Only 13" Of Space Below Mounting Surface



Helps prevent vandalism! Fits most cars and trucks. Connects to ignition or radio and extends or retracts when either is turned on/off. Extends to 39". Stainless steel. With cable, power lead. Adapts to semi-automatic use. 12VDC neg. gnd.
12-1330 .... **39.95**

Better Reception! We Have the Autosound Antenna You Need at a Price You'll Like



(1) Ford Antenna. Fits 1982 to current. Easy 3-screw oval mounting. One-piece 31" stainless steel whip. 72" cable. **12-1335** **8.99**

(2) Universal "8-Ball". Top cowl or fender mount. Three sections extend from 21 1/4 to 55". Adjusts up to 35°. Stainless steel whip. 54" cable. **12-1306, 5.99**

(3) Stainless Steel Spring. Swivel ball mount for top cowl or fender. Three sections extend from 25 3/8 to 55". Adjusts 90°. 48" cable. **12-1307** **8.79**

(4) Pillar Mount. Fits most Japanese cars except Honda. Three sections extend from 19 1/2 to 51". 61" cable. Mtg. hole spacing: 2 1/4 to 18". **12-1320, 7.99**

(5) One-Piece Mini. For narrow fenders. 31" stainless steel whip. 54" cable. **12-1322** **6.99**

(6) Black One-Piece Mini. Sleek, black version of 12-1322, above. **12-1334** **7.99**

(7) Top Fender/Cowl Mount. 31" tapered stainless steel whip. 48" cable. **12-1329** **8.99**

(8) Gutter-Mount. Three-section whip extends to 29 1/2". 78" cable. **12-1324** **7.69**

(9) Rubber Ducky Antenna. Roof, trunk or rear fender mount. 16" long. 50" cable. **12-1327** **5.99**

(10) Flexible Universal Mount. Fender or cowl mount. 15" long. 54" cable. **12-1331** **5.99**

(11) Flexible Replacement Whip. Fits over stub of broken antenna. 14" long. **12-1333** **3.99**

Windshield AM/FM Antenna

4.59

No Holes To Drill

Antenna tape attaches easily to your car or truck windshield. Includes lead-in cable and fender cap.
12-1325 ..... **4.59**

Extensions and Connectors

Motorola-Type Plugs and Jacks

(1) 12-Foot Inline Male-to-Female Extension. Plug on one end, jack on other. Built-in capacitor.
12-1311 ..... **4.19**

(2) 24" Male-to-Female Inline Extension.
12-1312 ..... **1.49**

(3) Universal 3-Way Connector. Couples two antennas to one radio or one antenna to two radios.
12-1313 ..... **1.99**

(4) 24" Male-to-Male Extension. 12-1314 ... **1.49**

(5) NEW! GM Antenna Adapter. Adapts GM mini connector to standard radio jack. **12-1336** ... **1.99**

Everything You Need for Autosound Installation

Automatic On/Off Accessory Switch

"Senses" When Vehicle Engine Is Running—Shuts Off When Engine is Off

NEW FOR '90

12.95

Turns on/off autosound, car phone, radar detector or other equipment that is plugged into cigarette lighter, when engine is on/off. Prevents battery drain. Override switch. Rated 12V, 3A. **270-1515** **12.95**

Lighter Cords/Plugs

(1) NEW! Triple Accessory Outlet. 15A. **270-1544** **8.99**

(2) Heavy-Duty Fused Plug. Uses 3AG fuse up to 7.5A. **274-335** **1.99**

(3) Lighter Plug. 6A. **274-331** . . **1.39**

(4) Ten-Foot Extension Cord. 8A. **270-1536** **5.49**

(5) Two-Outlet Y-Adapter. Powers two accessories from lighter outlet. 8A. **270-1535** **5.49**

(6) Heavy-Duty Fused Cord. 8-ft. **270-1534** **5.49**

Standard Fused. 8-ft. **270-1533** **3.79**

Plug with Cord. 270-021 . . . . . **2.79**

(7) Accessory Outlet. Mounts in/under dash. **270-1539** **5.49**

(8) Universal Fused Coil Cord. With 4 coax plugs. 8-ft. **270-1528** **9.95**

Harness Adapters and In-Dash Kits

Wiring Harness Adapters. Prewired 5-pin plug to quick-disconnect cable for 2 and 4 speakers. With instructions.

For Models	Cat. No.	Each
1978-88 GM	270-755	8.99
1983-85 Ford	270-757	7.99
1989 GM	270-759	8.99

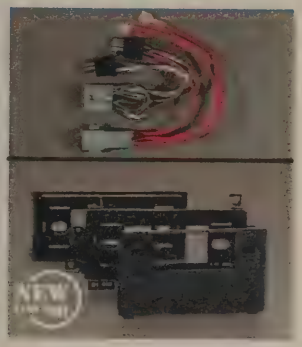
Harnesses for other makes are available. Ask your store manager. CMC.

In-Dash Installation Kits. Includes "DIN-E" chassis sizes. With mounting hardware.

GM Kit. Fits 39 models. **12-1361** . . **8.95**

Ford/Chrysler. Fits 69 models. **12-1362** **10.95**

NEW! Toyota. Fits 11 models. **12-1363** **10.95**



6V/12VDC Voltage Inverter

(1) Voltage Inverter. Use to run conventional autosound from nonstandard electrical systems such as 12VDC pos. gnd. or 6VDC neg. gnd. 3A. **22-129** **27.95**

27.95

For Car, Boat, RV or Truck

Electrical Tester

(2) Electrical Tester. Plug into lighter socket. LEDs show condition of battery, alternator, regulator. **22-1635** **5.95**

5.95

Automotive Troubleshooter

Complete Your Autosound Installation

(1) 15A Power Taps. 64-3054, 1.49

(2) 50A Power Taps. 64-3055, 2.99

(3) Cable Sets. 4-Ft. Fused DC. **270-025** **2.19**

2-Cond. 12". For trailer lights, acc. **270-026** **1.19**

4-Cond. 12". **270-027** **1.99**

(4) Fuse Tool. For blade and glass fuses. **270-1199** . . . . . **99¢**

(5) 1/4" Dia. Fuse Holder. 20A. **270-1211** **1.19**

(6) Under-Dash Slide Bracket. 270-016 . . . . . **9.95**

(7) Inline "Blade" Fuse Holder. 20A. **270-1213** **1.59**

(8) Universal Cable. Fits 4 or 5-pin sockets. 12" leads. **270-017** . . **2.29**

(9) Cable Assembly. Power, four 18-ft. speaker leads. **270-014** **5.49**

Std. 5-pin Cable Assembly. 12" leads. **270-041** **2.49**

(10) Knobs. Fits "D" and split-shafts. **Matte-Black. 274-425** . . . **Set/1.79**

Chrome. 274-427 . . . . . **Set/2.99**

(11) Glass Fuse Kit. Popular values, 3 to 30 amps. **270-1262, Set of 10/1.89**

(12) Control Shaft Nuts and Washers. (6 ea.) **270-024** . . . . . **99¢**

(13) Plastic Blade Fuse Kit. Six popular values. **270-1201** **1.59**

(14) Universal 3-Bracket Set. With hardware. **270-023** **3.29**

Universal L-Brackets. With hardware. **270-022** **Pair/2.79**

Electrical Accessories for Autosound

(1) 10A Noise Filter. 270-051, 12.95

(2) NEW! Ground Loop Isolator. Cuts noise/hum. **270-054** **10.95**

(3) NEW! Heavy-Duty Noise Filter. 20A. **270-055** **17.95**

(4) Resistive Filter. 270-012 . . **1.69**

(5) Noise Eliminator Kit. Choke, capacitor, instructions. **270-030** . . **3.99**

(6) NEW! Mute Switch. Automatically silences car radio when you use your cellular phone. **17-801** . . **34.95**

(7) Feedthrough Filter Capacitor. 0.5 µF, 40A, 60WVDC. **272-1085, 5.99**

(8) Dual Flip Switch/Light Panel. 20A. **275-707** **5.49**

(9) Flip Switch/Light Panel. 20A. **275-703** **3.29**

(10) Lighted Rocker Switch Panel. 25A. **275-704** **4.49**

Dual Flip Switch/Light Panel. 20A. **275-702** **3.19**

(11) Lighted Flip Switch. With lamp. 20A. **275-706** **2.59**

SPST Flip Switch. 16A. **275-701, 1.39**

Flip Switch. 25A. **275-708** . . . **1.99**

2-Switch Bracket. 275-705 . . . **89¢**

(12) DPDT Center-Off Flip Switch. 20A. **275-710** **2.39**

DPDT Momentary Center-Off Flip Switch. 20A. **275-709** **2.79**

(13) Lighting Relay. 30A. SPST. 160mA, 66-ohm coil. **275-226, 5.99**

(14) Floating Ground Adapter. For hi-power units. **270-053** **5.49**

Protect Your Vehicle With a Mobile Alert® System

Alarm With Pocket Pager and Keychain Remote

149.95

Low As $15 Per Month

- **Alerts You Up to Two Miles Away With Pocket Pager**
- **Keychain Remote Has Arm, Disarm and "Panic" Feature**

Never Walk "Alone" in A Parking Lot Again

Even protects you as you leave or approach your car! Use "panic" feature on keychain to activate siren and car horn. Take pager with you for instant notification of tampering or entry. Selectable pager/siren/both modes. Page button lets someone in car signal you. Valet switch. Selectable security code. With remotes, siren, controller, hood/trunk sensors. Add more sensors anytime. 12VDC neg. gnd. Pager requires 9V battery or use our AC adapter #273-1651, $10.95, to save batteries while indoors. **49-795** **149.95**

"Silent" Vehicle Security Alarm With Pocket Pager

79.95 **You Hear the Alarm Up to Two Miles Away, Intruder Doesn't**

Pager and/or optional siren alert. Paging feature lets someone waiting in car signal you. Sensitivity control. 12VDC neg. gnd. Pager requires 9V battery (or use AC adapter indoors). **49-791** **79.95**

UL Listed AC Adapter. 273-1651 . . . . . **10.95**

Extra Pager. Special order through CMC **31.95**

Keyless Motion-Type Alarm With Remote

69.95

- **Keychain Remote Arms, Disarms And Provides "Panic" Feature**
- **Entry/Exit Delay**

Advanced security, breakthrough low price! Senses motion and opening of doors, trunk, hood. Responds with extra-loud siren. Motion detector has on/off and sensitivity controls. Loaded with great features—automatic and remote arm/disarm, valet switch, status indicators, security code. 12VDC neg gnd. **49-763** **69.95**

Keyless Car Alarm With Motion Sensor

44.95

- **Motion Sensor Detects Jacking, Tampering and Entry Attempts**
- **Valet Switch**

You get all the basic features with this affordable system. Senses motion and opening of doors, trunk and hood. Motion sensor has adjustable sensitivity and on/off switch. Features automatic entry/exit delays and arming, status indicator light, and extra-loud siren. Easy to install. 12VDC neg. gnd. **49-759** **44.95**

Vehicle Alarm Sirens and Pin Switches

(1) Extra-Loud 2-Sound Siren. Produces rise/fall scream or steady tone. 12VDC, 500 mA. **49-488** . . . **19.95**

(2) Mini Siren. Super-loud 100 dB "yelp." Fits where others will not. 12VDC, 240 mA. **49-489** . . . **10.95**

(3) Hi-Efficiency 2-Sound Piezo Siren. Weatherproof. Loud rise/fall tone. 12VDC, 300 mA. **49-487** . . . **22.95**

(4) Short Pin Switches. For doors, hood, trunk when space is tight. Lug terminals. **49-508** . . **Pkg. of 2/2.99**

(5) Long-Throw Pin Switches. Crimp connector. **49-509** . . **Pkg. of 2/2.89**

Add-On Sensors, Labels and Key Holder

(1) Electronic Shock and Motion Sensor. Exclusive circuit! Features quick response time and low current drain—only 5 mA at 12VDC. Easy to install. **49-630** . . . **12.95**

(2) Motion Detector. Detects tampering, jacking and towing. Adjustable sensitivity. **49-520** **5.69**

(3) Hide-A-Key. Special holder for extra keys grips any flat, magnet-holding surface. **49-050** . . . **1.19**

(4) Window Decals. Tells 'em your car or home is protected by alarm system. Effective deterrent at low cost. **49-507** . . . . **Pkg. of 4/1.19**

SYSTEMS INCLUDE WIRING, HARDWARE, INSTRUCTIONS / SALE OF SIRENS FOR MOBILE USE PROHIBITED IN CALIF., CERTAIN OTHER STATES

Road Patrol XK® Traffic Radar Detectors With *FAST*™

Ka-Band Coverage and *FAST* Antifalsing

NEW FOR '90

249.95 Low As $15 Per Month

- **Dual-Superhet**
- **Detects X, K and New Ka-Band Radar**
- **Exclusive *FAST* Signal Processor Reduces False Alerts**

Drive with confidence! Our best detector is ready for the increasingly popular 34.36 GHz Ka-band "photo" radar. Has separate pulsed tones and LEDs for X, K and Ka bands—and selectable tone or LED-and-tone alert. One-touch mute silences tone and resets for next encounter. Pulse rate is proportional to signal strength. This feature and a 5-step LED bargraph make it easy to estimate distance. Sensitivity: X-band, –114 dBm/cm²; K, –104 dBm/cm²; Ka, –94 dBm/cm². 1 1/16 x 3 1/8 x 4 1/4". Includes case, coiled cord with lighter socket plug, visor clip. 12VDC neg. gnd. **22-1626** (TSP available) **249.95**

Top Performer in a Shirt Pocket Size

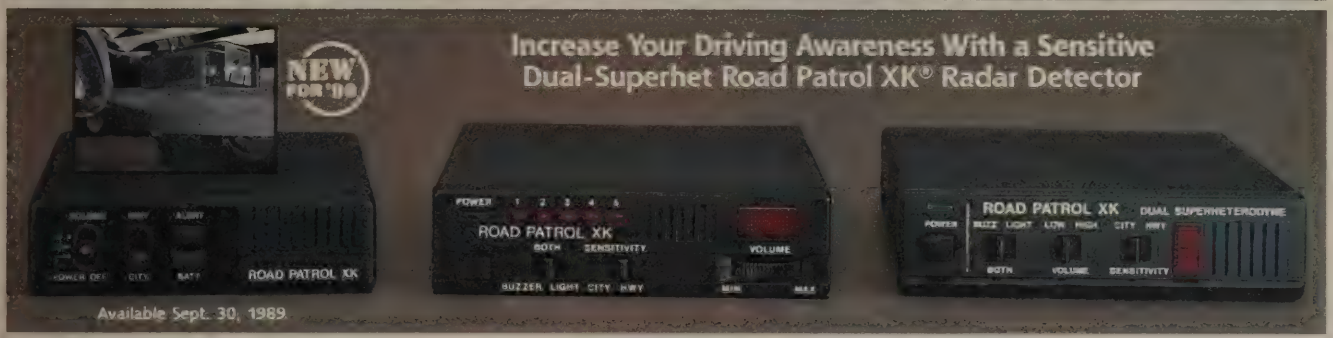
Separate Pulsed Tones and LEDs for X and K-Bands

199.95 Low As $15 Per Month

Latest surface-mount technology brings you dual-superhet sensitivity in this tiny size. Tone or tone-and-LED alert. Mute cancels tone, resets for next encounter. Pulse rate is proportional to signal. This and LED bargraph make it easy to judge distance. *FAST* antifalsing. Direct 12VDC operation—no bulky external adapter. Sensitivity: X-band, –110 dBm/cm²; K-band, –102 dBm/cm². 1 1/16 x 2 3/16 x 4 1/8". 12VDC neg. gnd. **22-1625** (TSP available) **199.95**

With Pouch, Cord, Visor And Cable Clips, Tape

Increase Your Driving Awareness With a Sensitive Dual-Superhet Road Patrol XK® Radar Detector



169.95 Low As $15 Per Month

Hidden/Remote With Rechargeable Wireless Receiver. Only you know you have it. Detector mounts behind grille or below bumper. Compact receiver goes anywhere—on seat, below dash, in your pocket! Snap to install, no cable between units. Detector has auto power on. Receiver has *FAST* antifalsing, city/highway switch, pulsed tone and LED alerts, volume control, earphone jack. Recharges from lighter socket with supplied coiled cord or AC adapter #273-1652, $10.95. Sensitivity: X-band, –110 dBm/cm²; K-band, –102 dBm/cm². Detector, 3 3/4 x 1 9/16 x 4 1/8". Receiver, 1 3/16 x 2 3/4 x 3 15/16". **22-1622** (TSP available) **169.95**

149.95 Low As $15 Per Month

Dual-Tone Compact. Separate tones for X and K bands are pulsed in proportion to signal strength. Tone and/or LED alert. Sensitive GaAs diode front end. LED signal meter. *FAST* antifalsing. Sensitivity: X-band, –114 dBm/cm²; K-band, –102 dBm/cm². 7/8 x 3 1/2 x 4 7/16". 12VDC neg. gnd. **22-1621** (TSP available) **149.95**

Super-Sensitive Compact. Reliable protection in a discreet 7/8 x 3 1/2 x 4 1/4" size. *FAST* antifalsing. Pulsed tone and/or warning light. Sensitivity: X-band, –113 dBm/cm²; K-band, –105 dBm/cm². 12VDC neg. gnd. **22-1619** (TSP available) **99.95**

99.95 Low As $15 Per Month

(1) **Lighter Y Adapter. 270-1535** **5.49**

(2) **Suction Cup Mount. 270-034** **6.95**

(3) **Universal Coiled 12VDC Cord and Plug.** Four adapters fit most radar detectors and 12VDC TVs. Replaceable 2-amp fuse. **270-1528** **9.95**

(4) **NEW! Automatic On/Off Switch.** See full description on page 63. **270-1515** **12.95**

RADAR DETECTORS NOT OFFERED WHERE SALE IS PROHIBITED BY LAW / USE MAY BE REGULATED BY STATE OR LOCAL LAW

Driving Friends That You Can Always Depend On

Keep Your Road Travel Safe And Fun With a Realistic® CB

TSP Available for All Models

Mini With Up/Down Channel Controls

59.95

NEW FOR '90

(1) Realistic TRC-477. Small in size and price. Easy-to-use fingertip up/down channel switches and easy-to-read green LED readout display. Distinct transmit and receive LED indicators, built-in ANL circuit, squelch and volume control. Jack for remote speaker. 1 3/8 × 4 7/16 × 6 1/2". **21-1517** **59.95**

Compact With LED Power Meter

64.95

(2) Realistic TRC-415. Designed to fit in tight spaces. Has ceramic filters for superior selectivity, bright LED channel display, 4-step LED signal/RF power meter and ANL. Remote speaker jack. 2 × 4 9/16 × 6 1/2". **21-1509** **64.95**

Mike-Mounted Channel Controls

99.95

Low As $15 Per Month

(3) Realistic TRC-430. Convenient channel up/down switches on both mike and front panel. Bright green LED display and last-channel memory backup. Emergency Channel 9-priority switch. Jacks for adding PA/speakers. 1 3/8 × 4 5/8 × 7 1/4". **21-1514** **99.95**

Channel 9 and 19 Priority Switch

99.95

Low As $15 Per Month

(4) Realistic TRC-418. Get instant access to emergency Channel 9 or highway info Channel 19. Switchable ANL cuts pulse-type noise. Five-step LED signal/RF power meter. Jacks for adding PA and remote speakers. 1 3/4 × 5 1/2 × 7 3/4". 12VDC neg./pos. gnd. **21-1511** **99.95**

With Both ANL and NB Circuits

129.95

Low As $15 Per Month

(5) Realistic TRC-423. Scan to any channel with the fingertip up/down buttons. Large, green LED channel display, 2-color/4-LED S/RF meter. Controls for ANL, NB, Channel 9 priority and PA. Mike and RF gain controls. Jacks for PA and speakers. 1 7/8 × 5 7/8 × 7 1/2". **21-1513** **129.95**

With 3-Channel Weather Receiver

139.95

Low As $15 Per Month

(6) Realistic TRC-476. Select CB or get the latest weather info on 162.4, 162.475 or 162.55 MHz. Easy mike-mounted up/down CB channel buttons with beep tone. Large, green LED channel and PA display. Channel 9 priority, 4-step LED S/RF power meter, ANL, NB and PA push buttons. Jacks for remote and PA speaker. 1 7/8 × 6 × 7 11/16". **21-1516** **139.95**

PA/CB/Monitor Switch, Tone Control

139.95

Low As $15 Per Month

(7) Realistic TRC-474. Three-way PA/CB/Monitor switch lets you monitor calls when using as a public address amp. Tone and RF gain controls for clearest reception. Switchable ANL cuts pulse-type noise. Channel 9 priority. Jacks for PA and remote speakers. 1 9/16 × 5 1/2 × 6 11/16". 12VDC neg./pos. gnd. **21-1539** **139.95**

MOBILE CBs INCLUDE MOUNTING BRACKET AND HARDWARE / 12VDC NEGATIVE GROUND UNLESS STATED OTHERWISE

Mobile Single Sideband and Base/Mobile CBs

SSB With Added Range and Channels

199.95

Available Sept. 30, 1989

Low As $15 Per Month

NEW FOR '90

Realistic® TRC-465. Our best mobile CB! Single Sideband (SSB) increases range and provides 40 AM plus 80 SSB channels. Switchable automatic noise limiter and noise blanker cuts pulse-type noise. RF gain control for clearest reception. Digital PLL frequency control, five-step LED RF power meter. Jacks for PA and remote speakers. 2 × 6 1/8 × 8 1/8". 12VDC neg./pos. gnd. **21-1567** (TSP available) **199.95**

Mobile/Base Station CB With Direct Channel Entry and Last-Channel Recall

149.95

Low As $15 Per Month

- **Instant Keypad Access to Channels**
- **Channel 9 and 19 Priority Keys**

Realistic Navaho® TRC-434. Gets your message through with greater reliability and clarity. PLL locks all channels on frequency. Switchable noise blanker and automatic noise limiter. Last-channel memory with recall key, RF gain control and up/down scan. Five-segment LED signal-strength meter. LED channel display. Jacks for adding external speaker and headphones. 2 15/16 × 11 1/4 × 8 3/8". UL listed AC or 12VDC neg./pos. gnd. **21-1548** (TSP available) **149.95**

Reach Out Farther With Archer® Mobile and Base CB Antennas

(1) Deluxe Magnet-Mount. No holes to drill, mounts on flat magnet-holding surface. Low-loss coil form, 54" whip. 16-ft cable, connector. **21-960** . . . **37.95**

(2) Base-Loaded Magnet-Mount. Use on flat magnet-holding surface. Stainless steel whip, heavy-duty spring. 16-ft. cable. **21-940** **26.95**

(3) CB/AM/FM "Disguise". Mounts in standard radio antenna hole. 32" stainless steel whip. 8 1/2-ft. cable, splitter, CB/radio connectors, hardware. **21-990** **29.95**

(4) No-Hole Trunk-Mount. For center or side of trunk lid. Secures with set screws. Base-loading coil, shock spring. 16-ft. cable and connector. **21-908** . . **26.95**

(5) "Shorty" Roof-Mount. Handy snap-in mount. Center-load coil, steel whip and shock spring. With 16-ft. cable. **21-906** **23.95**

(6) Cellular "Look-Alike" Trunk-Mount. No hole to drill. With 16-ft cable. **21-991** **29.95**

(7) Cellular "Look-Alike" Magnet-Mount. No hole to drill. 16-ft. cable. **21-992** **29.95**

(8) 48" Fiberglass Marine Mount. Adjusts for horizontal or vertical mounting. With 16-ft. cable and connector. **21-976** **37.95**

(9) Single Truckers II. Heavy-duty mirror-mount for vertical or horizontal brackets. Center resonator. 58" overall. 10-ft. cable, connector. **21-941** **25.95**

(10) Single Truckers II Fiberglass. One-whip version of Fig. 11. 10-ft. cable. **21-939** **26.95**

(11) Fiberglass Twin Truckers. Dual 48" whips for hi-performance. 18-ft. cable. **21-945** **44.95**

(12) Gutter-Clamp. Mounts in vehicle rain gutter. Center-loaded. Stainless-steel spring and whip. About 37" overall. 10-ft. cable. **21-909** **19.95**

(13) Fold-Down Gutter-Mount. Center-loaded. Stainless steel spring and whip. Approximately 38" overall. With 10-ft. cable. **21-947** **26.95**

(14) Base Omnidirectional 1/2-Wave. Fiberglass. Has 16-ft. radiator. Mount bracket. Fits masts up to 1 5/8" diameter. **21-967** **79.95**

Our 49-MHz FM Walkie-Talkies for Work and Play

Audionic Design Plus Voice Actuation

89.95 Pair

The Ultimate in Hands-Free Communication

Earpiece Acts As Both Earphone And Microphone

Realistic® TRC-504. All you wear is one small earpiece—no bulky headsets or mikes. During receive, the earpiece acts as an earphone. When you speak, the earpiece instantly becomes a microphone, picking up your voice via the auditory (ear) canal and sending a signal virtually free of the outside noise a conventional mike would pick up. Dual-conversion superhet 49-MHz FM receiver. Selectable push-to-talk switch. Up to 1/4-mile range. With belt clips and four different-size earpieces for optimum fit. Each walkie-talkie requires 9V battery.
21-404 (TSP available) . . . . . **Pair 89.95**

Single and Multichannel Walkie-Talkies

Dual-Conversion Superhets For High Sensitivity and Clear 2-Way Communication

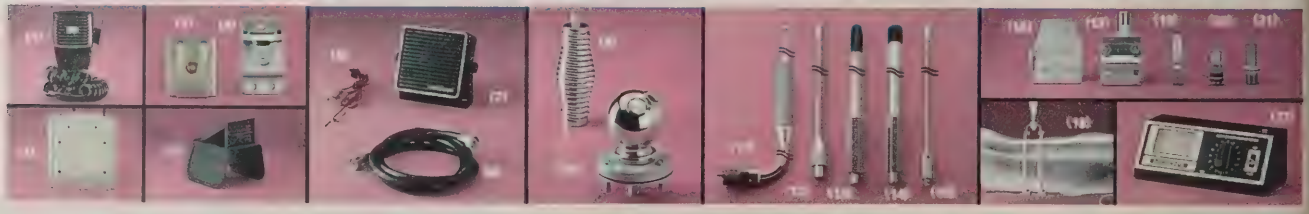
(1) Realistic TRC-500. Sensitivity switch controls the level of voice actuation to prevent unwanted transmissions during strenuous activity and to pick up soft voices when necessary. Volume control. VOX or manual operation. Up to 1/4-mile range. With belt clips. Each requires 9V battery.
21-400 (TSP available), **Pair 69.95**

(2) Realistic TRC-502. As above, with five channels for direct communication between multiple units. Requires 9V battery.
21-403 (TSP available), **Each 49.95**

(3) Realistic TRC-501. Only one inch thin and five ounces light! Just right while camping, biking or hiking. Also handy for keeping track of family members at picnics and amusement parks. Press the Call button to transmit a tone signal and alert another unit of incoming message. Up to 1/4-mile range. With belt clip. Requires 9V battery.
21-401 . . . . . **Each 24.95**

(4) Realistic TRC-503. As above, with five channels for direct communication between multiple units. Requires 9V battery.
21-402 (TSP available), **Each 39.95**

Radio Shack Has Everything You Need in Quality CB Accessories



(1) Dynamic Mike. DIN plug. **21-1172** **17.95**
(2) Under-Dash Mount. CB slides off bracket for safe storage. **21-566** **17.95**
(3) Magnetic Mike Holder. 21-1130 . . . . . **1.59**
(4) Mike Clip. With screws. **21-923** **1.39**
(5) Portable Hump Mount. 21-540 . . . . . **17.95**
(6) 12VDC 48" Replacement Cord. 3-pin plug. Requires 2-amp fuse. **21-550** **3.29**
(7) Extension Speaker. 10-foot cable with 1/8" mini-plug. 5 watts, 8 ohms. **21-549** **13.95**
(8) Coaxial Cable Assemblies. 2-Ft. RG58/U. **278-968** **4.69**
5-Ft. RG8/U. **278-969** **6.19**
10-Ft. RG58/U. **278-966** **6.99**
50-Ft. RG8/U. **278-970** **23.99**
50-Ft. RG58/U. **278-971** **12.99**
(9) Stainless Steel Spring. Chrome plated, with removable 3/8"-dia. threaded stud. **21-1118** . . . **9.95**
(10) Ball Mount. For vertical or horizontal mounting. Chromed, with lug terminals. **21-1115** . . **9.95**
(11) Back-of-Set CB Antenna. 90° design, plugs directly into CB's antenna socket. Center-loaded. **21-921** **7.95**
(12) 102" Stainless Steel Whip. 21-903 . . . **13.95**
(13) 102" Fiberglass Whip. 21-905 . . . . . **12.95**
(14) 48" Fiberglass Whip. 21-934 . . . . . **10.95**
(15) Replacement Stainless Steel Whip. With adapter. Replaces Radio Shack 21-904/908/940. **21-952** **5.95**
(16) Gutter Clamp. 21-911 . . . . . **5.99**
(17) Mirror/Luggage Rack Bracket. For whips with standard 3/8"-dia. thread. **21-937** **8.95**
(18) Bumper Mount. Dual chains with vinyl chain cover. **21-910** **12.95**
(19) Antenna Hold-Down Clip. Clips to car roof rain gutter. **21-917** **1.99**
(20) Antenna Feedthrough. For whips or coils with standard 3/8"-dia. thread. Fits mount plates up to 1/8" thick. **21-950** **4.99**
(21) Feedthrough/Adapter. One end accepts standard PL-259 connector and the other end accepts whip or coil with 3/8"-dia. thread. Fits mounting plates up to 1/8" thick.
21-961 . . . . . **4.49**
(22) SWR/Field Strength Meter. Tune your base or mobile antenna for maximum operating efficiency. Measures forward and reflected standing wave ratio, plus RF power to 1 kW. Impedance: 50 ohms.
21-525 . . . . . **19.95**

PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS

Stay in Touch With Realistic® CB Walkie-Talkies

High-Performance 2-Way Radios With Superhet Receivers

- **Just Right for Work, Pleasure or Travel**
- **Include Channel 14 Crystals**
- **40-Channel Models Come Ready-to-Use On All CB Channels—No Crystals to Buy**

(1) Realistic TRC-87. One Channel, 100mW. Features up-front combination speaker/mike, side-mounted volume/on-off control, push-to-talk button, telescoping antenna and wrist strap. 6½ × 3 × 1¾". Requires 9V battery.
21-1609 ..... **19.95**

(2) Realistic TRC-89. Three Channels, 300 mW. Has battery-test LED indicator and side-mounted volume/on-off control. Add optional crystals for two more channels. With telescoping antenna and wrist strap. 8¾ × 3 × 1⅞". Requires 6 "AA" batteries. **21-1611** **29.95**

(3) Realistic TRC-218. Three Channels, 2 Watts. Features auto-modulation and Range-Boost antenna system for extended signal reach. Squelch control, separate speaker and mike for clearest transmission and reception, battery-test LED. Add optional crystals for two more channels. 10¼ × 3⅛ × 2½". Requires 8 "AA" batteries or 10 rechargeable batteries.
21-1638 (TSP available) **49.95**

(4) Realistic TRC-219. Three Channels, 3 Watts. Auto-modulation. Range-Boost and center-loaded antenna for maximum talk power, squelch control, battery-test and modulation LEDs. External antenna and charger jacks. Add optional crystals for two more channels. 10¼ × 3⅛ × 2½". Requires 8 "AA" batteries or 10 rechargeable batteries. **21-1639** (TSP available) **59.95**

(5) Realistic TRC-220. Six Channels, 5 Watts. Most powerful you can buy. Has ceramic filter for increased selectivity and freedom from adjacent-channel interference. Automatic modulation control maximizes transmit range. Battery-condition LED, squelch control to eliminate background noise, hi/lo power-saver switch. Jacks for antenna, battery charger and external speaker. Add optional crystals for five more channels. 7½ × 2¾ × 2½". Requires 8 "AA" batteries or 10 rechargeable batteries or DC adapter.
21-1640 (TSP available) **79.95**

(6) Realistic TRC-217. Forty Channels, 5 Watts. Covers all CB channels. Phase-locked loop circuitry assures precise frequency control and stability. Range-Boost extends signal reach. Built-in automatic noise limiter, auto-modulation, separate speaker and mike. Ceramic filter for increased selectivity and rejection of adjacent-channel interference. Telescoping antenna, channel-display/battery-test LED, squelch control, hi/lo power battery-saver switch. External antenna and battery charger jacks. 7½ × 2⅝ × 2¼". Requires 8 "AA" batteries or 10 rechargeable batteries or DC adapter. **21-1644** (TSP available) **99.95**

(7) Realistic TRC-216. Forty Channels, 5 Watts. Our best walkie-talkie is ready to use on all 40 channels. LCD channel readout and battery condition/RF meter, hi/lo power battery-saver switch. Ceramic filter for increased selectivity and rejection of adjacent-channel interference. Squelch, automatic noise limiter, auto-modulation, separate speaker and mike. Includes jacks for earphone, hand mike, external antenna and battery charger. 8 × 3 × 2 3/16". Requires 8 "AA" batteries or 10 rechargeable batteries or DC adapter.
21-1663 (TSP available) **139.95**

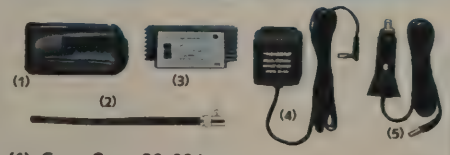
Transmit/Receive Crystals

If the CB crystals you want aren't listed below, our "Hotline" can get them (except synthesizer types) delivered to your nearby Radio Shack in a few days—no extra charge. Ask your store manager.

Pair Includes One Transmit, One Receive

Channel	Cat. No.	Pair
5	21-1205	4.98
9	21-1202	4.98
11	21-1207	4.98
19	21-1219	4.98
30	21-1230	4.98
35	21-1235	4.98

CB Walkie-Talkie Accessories



(1) Carry Case. 20-004 ..... 9.95
(2) Flexible Antenna. 21-980 ..... 7.95
(3) Regulated 12VDC Supply. Rated 2.5 amps. UL listed AC. **22-120** **39.95**
(4) Charger. 12-15V Ni-Cds. **21-516** **6.95**
(5) 12VDC Cord. 8-ft. Neg. gnd. **270-1533** .. **3.79**

NO LICENSE IS REQUIRED FOR OPERATING CB EQUIPMENT—ANYONE CAN USE AND ENJOY CB

Stay in Touch With Our Affordable 2-Way Radios

Full-Feature 54-Channel Marine VHF Transceivers

Rechargeable Portable*

259.95 Low As $15 Per Month

- **Includes Battery Pack and AC Charger**
- **Receives NOAA Weather Channels**

Realistic® MTX-120. Dependable, take-anywhere marine two-way with one-touch access to Calling/Emergency Channel 16. Provides 54 US/international channels and receives nine weather channels. 5 or 1-watt output, detachable antenna. Includes high-capacity battery pack, UL listed AC charger. 8 1/8 × 2 1/2 × 1 1/2". **19-1050** **259.95**

Spare Battery Pack. 19-103. CMC **64.95**

Universal Carrying Case. 20-004 . . . . . **9.95**

Deluxe 25-Watt Transceiver*

229.95 Low as $15 Per Month

- **Selectable 25 or 1-Watt Power Output**
- **Emergency Channel 16 Priority Button**

Realistic MTX-100. Full power, big channel display, weather-resistant housing. 54 two-way channels plus 10 weather channels. Special design makes it easy to adapt for overhead mounting. Jack for external speaker. 2 3/4 × 8 × 9 3/4". 12VDC neg. gnd. **19-1001** **229.95**

8-Ft. Fiberglass Marine Antenna. 15-ft. cable with PL-259 plug. Requires ratchet mount. **19-101** **39.95**

Antenna Ratchet Mount. Solid nylon. **19-102** . . **14.95**

External Mike/Speaker

49.95

For MTX-120. Has pocket clip, coiled cord. CMC **19-104**

Road Emergency CB Radio System

69.95

Call for Help Without Leaving Your Vehicle

Realistic TRC-409. So easy to use! Place magnetic base antenna on car roof, plug CB into lighter socket and talk. Covers all 40 channels and has one-touch access to Emergency Channel 9. LED channel display. Entire system, including antenna, fits in durable 10 1/2 × 4 5/8 × 2 1/4" case. 12VDC neg. gnd. **21-1500** (TSP avail.) . . **69.95**

Emergency CB And Weatheradio

99.95 Low as $15 Per Month

Operates on 12VDC Car Power or Battery Pack

Realistic TRC-475. Easy 1-2-3 operation like CB at left and receives US Weather Service on 162.4, 162.475 and 162.55 MHz. Instant access to CB channel 9. Sturdy 11 × 6 1/2 × 2 1/2" case. Operates on 12VDC or batteries. Included battery pack requires 8 "AA" alkaline batteries.

21-1515 (TSP avail.), **99.95**

*MARINE VHF RADIOS INCLUDE FCC LICENSE FORM AND TEMPORARY PERMIT

Tune In the World! It's Easy With a Realistic® Radio

10-Meter Mobile SSB/CW Ham Radio Transceiver

NEW FOR '90

259.95

Low As $15 Per Month

- **Full 10-Meter Coverage, 28 to 29.6999 MHz**
- **10-Channel Memory**
- **Continuous Tuning, Not Broken Into Bands or Channelized—Tune in 100 Hz, 1 kHz or 10 kHz Increments in Both Scan and Manual Modes**
- **Selectable 25 or 5-Watt Output**

Realistic HTX-100. A real value for any amateur radio operator. Fits under nearly any dash, yet it's loaded with features. Easy-to-program memory stores 10 favorite frequencies. Rotary tuning control has selectable steps for fast access to any frequency. Lighted LCD frequency display. RF gain and squelch controls. A lock switch eliminates accidental frequency changes. RIT (receiver incremental tuning) fine-tunes receiver for best reception. Provides USB (upper sideband) voice operation and CW (code) with semi break-in keying and built-in CW sidetone. On-mike tuning controls, too. Built-in speaker, 3-watt audio output, 1/8" headphone jack, LED RF power/signal strength meter, switchable noise blanker, 1/8" jacks for key and remote speaker. Standard 8-pin mike jack—easy to interface with Packet and RTTY equipment. With bracket, hardware, DC power cord. 2 7/16 × 7 9/32 × 7 7/8". 12VDC neg. gnd.
19-1101 (TSP available) **259.95**

You must have a valid FCC Radio Amateur's License to legally transmit with this radio.

Amateur Radio License Study Guides

Low As **4.95**

Novice Voice Class License Preparation. With two code course audio cassettes.
62-2402 . . . . . **19.95**
Technician Class Manual.
62-2403 . . . . . **4.95**
General Class FCC License Preparation. Includes code tapes. **62-2404** **19.95**

AM/FM/All-Band Radio With Digital Tuning

199.95

Low As $15 Per Month

Realistic DX-440. Keyboard tuning. Covers 150 kHz-29.999 MHz AM/CW/SSB, 88-108 MHz FM stereo. 9-station memory. BFO for code, SSB. RF gain control. LCD frequency/24-hour clock display. Timer, auto shutoff. Monaural speaker. Jacks for stereo headphone, external antenna. 6 1/2 × 11 1/2 × 2 1/4" Requires 2 "AA" and 6 "C" batteries or AC or DC adapter. **20-221** (TSP available) . . **199.95**

9-Band AM/FM/Shortwave Portable

89.95

Realistic DX-360. Compact portable tunes FM, AM and worldwide shortwave. Built-in speaker. 1/8" earphone jack. Coverage: AM, FM, seven SW broadcast bands, European LW broadcast band. 4 1/2 × 10 1/4 × 1 3/4" Requires 4 "AA" batteries or AC or DC adapters. **20-208** (TSP available) **89.95**

Action Scanners Bring You News As-It-Happens

REALISTIC® Scanners to Make Your Home "Command Headquarters"

Realistic scanning radios bring you the most exciting listening of all—local events *as they happen*, not hours later on an edited newscast. You'll hear police and fire departments at work, ambulances, Amtrak and freight trains, amateur radio, taxis, weather, plus government, military, marine and business services. Scanners covering the 108-136 MHz AM band also receive airport communications and planes in flight. Programmable scanners offer keyboard entry of frequencies and have memories to store your favorite channels—you'll never have to buy crystals. Scanners on these two pages also feature a backup system to preserve memory during brief AC power failures or while scanner is unplugged, so you'll never lose programmed frequencies due to power outages or while moving your scanner.

Many models have special features such as a search function to automatically find new or unpublicized frequencies and a priority function which automatically shifts to your selected favorite frequency whenever it is active. All feature electronic individual channel lockout to bypass unwanted channels, selectable manual/scan modes plus scan-delay, which locks receiver on-channel for two seconds after transmission so you'll be sure to hear the replies. Easy-to-read multifunction LCD displays make programming easy. Ready to use with built-in speaker, rotary volume control, and squelch control to ensure noise-free operation between messages. All have a detachable indoor antenna plus a jack for adding an outdoor or mobile antenna (see page 75). Mobile scanners require 12VDC, neg. gnd., for in-vehicle use.

Our Finest! 400 Channels, Extended Frequency Coverage to 1300 MHz

419.95 Low As $21 Per Month

NEW FOR '90

- **Covers 25-520, 760-823, 851-868, 896-1300 MHz**
- **Includes AM, FM-Narrow and FM-Wide Bands**
- **Keyboard Access to Over 196,000 Frequencies**
- **Backlit LCD Display With Dimmer ■ AC/Mobile***

Realistic PRO-2005. Enjoy expanded listening—new 800 MHz police frequencies, CB, FM, TV audio, even military aircraft. You can store up to 40 channels in each of 10 memory banks by category—fire, police, air, rail—or by town or area, and select any bank with one key touch. Monitor bank temporarily holds up to 10 channels found during search for one-touch addition to memory. Auto and manual scan steps, two-speed scan and search, plus selectable priority channel, lockout and scan-delay. Sound-squelch control prevents lockups on unmodulated carriers. Jacks: tape out, 1/8" headphone, external speaker, external DC power, BNC antenna input. Memory backup requires 9V battery. 3 × 8 3/4 × 8 1/8". UL listed AC (or 12VDC cord, extra).
20-144 (TSP available) **419.95**

200 Channels, 108-136 MHz Air Band, Search and Priority Functions

349.95 Low As $18 Per Month

NEW FOR '90

Available Sept. 30, 1989

- **Keyboard Access to Over 32,000 Frequencies**
- **12VDC Input Jack for Mobile Operation***
- **Backlit LCD Display With Hi/Lo Dimmer**

Realistic PRO-2022. Memory stores channels in 10 banks of 20 channels each for personalized monitoring. Channels found during two-speed search can be transfered to memory with the touch of one key. Selectable priority channel, two-speed scan, lockout, scan-delay. Frequency coverage: 30-54, 108-136, 138-174, 380-512, 806-823, 851-868, 896-960 MHz. Jacks for 1/8" headphone, external speaker, external DC power, BNC antenna input. 3 × 8 3/4 × 8 1/8". UL listed AC (or 12VDC power cord, extra). **20-127** (TSP available) **349.95**

Mobile Mounting Bracket. For 20-127 and 20-144. Available through CMC. **20-0001** **24.95**

 *MOBILE USE OF SCANNERS ON THESE TWO PAGES MAY BE UNLAWFUL IN SOME AREAS OR REQUIRE A PERMIT—CHECK WITH LOCAL AUTHORITIES

You're First to Know About Late-Breaking Action

60 Channels Keep You Informed

NEW FOR '90

Low As $15 Per Month

199.95

Available Sept. 30, 1989

- **Keyboard Access to Over 23,000 Frequencies**
- **Monitor Bank** ■ **Search and Priority Functions**

Realistic PRO-2024. Be "on the scene" instantly—hear police, fire and ambulance calls, aviation and marine communications, Ham radio, rail and more from your own living room! Features two-speed scan and search modes, plus monitor bank to temporarily store up to six channels found during search. Priority function ensures that you never miss a call on your favorite channel. And, you can skip over unwanted channels with the electronic channel lockout key. Easy-to-read LCD display shows channel, frequency, status (lockout or scan-delay) and mode of operation—makes programming a snap! Frequency coverage: 30-54, 118-136, 138-174, 380-512 MHz. Memory backup. Jacks: 1/8" headphone/external speaker, Motorola-type for external antenna. 2 3/8 × 10 × 7 1/8". UL listed AC. **20-129** (TSP available) **199.95**

20 Channels, Weather Search

NEW FOR '90

Low As $15 Per Month

169.95

- **Weather Key for One-Touch Instant Access to National Weather Service Reports**
- **Monitor Bank** ■ **Search and Priority Functions**

Realistic PRO-2023. Stay on top of all the action, plus get up-to-the minute National Weather Service broadcasts at the touch of one key! Especially useful if you plan to travel or be outdoors, these broadcasts contain forecasts and data for the area around the station plus bulletins on any threatening weather conditions. Features search mode, monitor bank, favorite-channel priority function, lockout and scan-delay. Backlit LCD display. Frequency coverage: 29-54, 108-174, 406-512 MHz. Memory backup. Jacks: 1/8" headphone/external speaker, Motorola-type for external antenna. 2 3/8 × 10 × 7 1/8". UL listed AC. **20-128** (TSP available) **169.95**

Ten Channels, Budget Price

Includes the Most Wanted Features

Low As $15 Per Month

139.95

- **Small Size With Big-Scanner Performance**
- **Lockout Key** ■ **AC/12VDC Operation***

Realistic PRO-57. A breakthrough for listeners on a budget! No crystals to buy—keyboard gives you access to over 22,000 frequencies. Select any channel manually or scan for the latest local action on police, fire, ambulance, government, Ham radio bands and more. Features scan-delay to prevent missed replies and lockout key to bypass unwanted channels. Easy-to-read LCD display shows channel number, frequency and status (delay or lockout). Memory backup. Frequency coverage: 30-50 MHz VHF-Lo, 50-54 MHz Ham, 138-144 MHz Govt./Military, 144-148 MHz Ham, 148-174 MHz VHF-Hi, 380-450 MHz Govt./Ham, 450-470 MHz UHF-Lo, 470-512 MHz UHF-Hi. Jack: Motorola-type for external antenna. 2 3/16 × 7 3/4 × 6 7/8". UL listed AC adapter (or 12VDC cord, extra). **20-126** (TSP available) **139.95**

*MOBILE USE OF SCANNERS ON THESE TWO PAGES MAY BE UNLAWFUL IN SOME AREAS OR REQUIRE A PERMIT—CHECK WITH LOCAL AUTHORITIES

Our Best Portable* Programmable Scanner Radio

200 Channels and Direct-Entry Keyboard for Access to 32,058 VHF and UHF Frequencies

- 30-50 MHz VHF-Lo Band
- 50-54 and 144-148 MHz Ham
- 108-136 MHz (AM) Aircraft
- 138-144 MHz Government
- 148-174 MHz VHF-Hi Band
- 380-450 MHz Government/Ham
- 450-470 MHz UHF-Lo Band
- 470-512 MHz UHF-Hi ("T")
- 806-823 MHz ■ 851-868 MHz
- 896-960 MHz

Covers Everything . . . And You'll Never Have to Buy a Crystal

329.95 Low As $17 Per Month

Monitor Police, Fire, Aviation, Railroads, Military and More

Realistic® PRO-34. You'll catch all the action and enjoy extra features and extended frequency coverage—all with this handheld radio! Frequency-tracking front-end gives you top sensitivity on all bands.

Scans up to 200 channels in 10 selectable "banks" or searches the frequency range you specify for new or unpublicized services. Frequencies you find during search can be stored in a special "monitor" bank for one-key transfer to permanent memory. Two-speed scan and search. Two-second scan-delay prevents missed replies. Lockout key temporarily bypasses unwanted channels. Keyboard-lock switch prevents accidental entries.

LCD display with switchable backlight shows channels and frequencies being scanned, monitored or programmed plus channel status. Selectable priority channel feature automatically shifts to your favorite frequency whenever it is active. Squelch control. Built-in speaker, 1/8" jack for earphone. Belt clip. With flexible antenna. BNC jack for adding external antenna. 6 1/2 × 2 3/4 × 1 5/8". Requires 6 "AA" alkaline or rechargeable batteries, or AC or DC adapter. **20-135** (TSP available) **329.95**

Crystal-Controlled, PRO Action-Band Scanners and Receiver

8 Channels, 4 Bands

99.95 Low As $15 Per Month

- 144-148 MHz VHF-Ham
- 148-174 MHz VHF-Hi
- 450-470 MHz UHF-Lo
- 470-512 MHz UHF-Hi

Realistic PRO-56. Scans continuously and automatically locks in active channels, then resumes scanning when conversation ends. Features manual scan, lockout and adjustable squelch. LED channel indicators, built-in speaker, telescoping antenna and headphone jack. 1 1/2 × 6 1/4 × 5 1/4". Requires crystal for each channel (below) and 9V battery, or AC or DC adapter.
20-125 (TSP available) **99.95**
Crystals. Specify channel frequency . . **Each 4.98**

Four-Channel Scanner

99.95 Low As $15 Per Month

Two Antennas—Telescoping for Long Range, Flexible for Close Quarters

- 30-50 MHz VHF-Lo
- 144-174 MHz VHF-Hi
- 450-470 and 470-512 MHz UHF-Hi/Lo

U.S. Patent No. 3,794,925

Realistic PRO-26. Scans up to four channels on four bands. Features scan-delay, individual channel lockouts, squelch control and built-in speaker. 7 1/2 × 3 3/8 × 1 1/2". With belt clip. Requires one crystal for each channel (below) and 4 "AAA" batteries.
20-107 (TSP available) **99.95**
Crystals. Specify channel frequency . . **Each 4.98**
Adapter/Charger. UL listed AC. **20-189** . . . **5.49**

Two-Channel Receiver

49.95

- 144-174 MHz VHF-Hi
- 450-512 MHz UHF-Hi/Lo

Ideal for Volunteer Firemen, Security and Emergency Personnel

Realistic PRO-27. A money-saving alternative if you only need to monitor a couple of VHF-Hi and/or UHF channels. Built-in speaker, volume control, A/B channel selector switch and earphone jack. Includes belt clip and detachable flexible antenna. 4 5/8 × 2 3/4 × 1 1/16". Requires crystal for each channel (below) and 9V battery. **20-108** **49.95**
Crystals. Specify channel frequency . . **Each 4.98**

*MOBILE USE OF SCANNERS MAY BE UNLAWFUL IN SOME AREAS OR MAY REQUIRE A PERMIT—CHECK WITH LOCAL AUTHORITIES

Portable* Programmable Scanners Tune the Action

Twenty Channels, Lighted Display

199.95 Low As $15 Per Month

- **30-50 MHz VHF-Lo Band**
- **50-54/144-148 MHz Ham**
- **138-144 MHz Government**
- **148-174 MHz VHF-Hi Band**
- **380-450 MHz Govt./Ham**
- **450-470 MHz UHF-Lo Band**
- **470-512 MHz UHF-Hi ("T")**

Realistic PRO-33. Extra-rugged and loaded with features! Gives you keyboard access to 22,563 frequencies in eight bands. Features frequency-tracking front-end, channel lockout key, switchable 2-second scan delay and keyboard-lock button. Special circuit stores frequencies in memory while you change batteries. Built-in speaker, plus 1/8" jack for earphone. Belt clip. Flexible antenna, BNC antenna jack. 6 1/2 × 2 5/8 × 1 5/8". Requires 6 "AA" or rechargeable batteries, AC or car DC adapter.
20-134 (TSP available) **199.95**

Ten Channels, Ten Bands

139.95 Low As $15 Per Month

- **29-29.7 MHz 10-Meter Ham**
- **29.7-50 MHz VHF-Lo Band**
- **50-54/144-148 MHz Ham**
- **136-144 MHz Military Mobile**
- **148-174 MHz VHF-Hi Band**
- **406-420 MHz Government**
- **420-450 MHz Ham Radio**
- **450-470 MHz UHF-Lo Band**
- **470-512 MHz UHF-Hi ("T")**

Realistic PRO-38. High quality and extended coverage at a breakthrough low price! Has LCD channel display, review key to display frequencies, keyboard lock and audible low-battery indicator. Built-in speaker, plus 1/8" jack for earphone. Belt clip. Flexible antenna, BNC antenna jack. 6 3/4 × 2 5/8 × 1 3/8". Requires 5 "AA" or rechargeable batteries, AC adapter/charger or DC adapter.
20-139 (TSP available) **139.95**

Increase Your Scanning Power With These Antennas and Accessories

(1) Indoor All-Band Plug-In Antenna. Center loaded. Extends from 16" to 40". Motorola-type plug. **20-161** **9.95**

(2) NEW! All-Band Magnet-Mount Mobile Antenna. 16-Ft. cable, Motorola-type plug. **20-012** **29.95**

(3) Coax Cable Assembly. 52-ohm cable with PL-259 connectors. 50-foot RG58/U. **278-971** **12.99**

(4) Coax Adapter. Adapts PL-259 connector to Motorola-type plug. **278-208** **1.79**

(5) BNC Male to Motorola-Type Female Adapter. 278-117 . . . . **2.49**

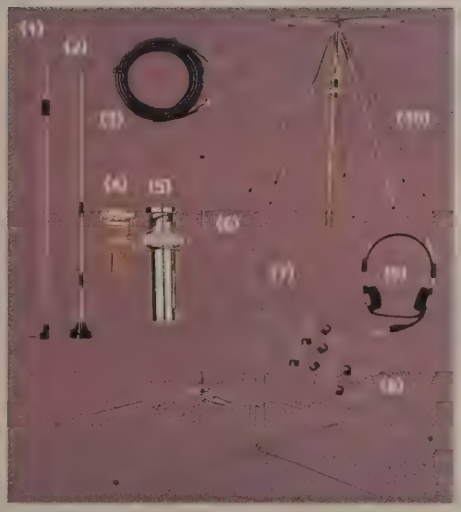
(6) VHF-Hi/Air/UHF Base Antenna. Accepts PL-259 connector. Cable extra (above). **20-176** **14.95**

(7) All-Band Base Antenna. Accepts PL-259 connector. Cable extra (above). **20-014** **29.95**

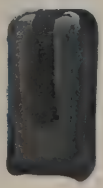
(8) Coax Clips. For RG58/U. **20-192** . . . . . **Pkg. 10/.89**
For RG8/U. **20-193** **6/.89**

(9) Headset. With 1/4" and 1/8" plugs. **20-210** **9.95**

(10) Discone Antenna. Receives 25-1300 MHz. Also for transmitting on 144, 220, 440 and 1296 MHz Ham bands. 50 ohms. Rated 200W on Ham bands listed. Fits up to 1 1/2"-dia. masts. **20-013** **59.95**



Scanner Case



Protects Your Portable

Black vinyl. Zipper closure, belt loop. **20-004** **9.95**

Telescoping Whips

(1) Extends portable scanner range. Nine sections, center loaded. For 25-1300 MHz. BNC connector.
20-006 . . . . . **9.95**

(2) As above, without load coil.
20-008 . . . . . **7.95**

Fact-Packed "Police Call" Frequency Guides

Vol.	States Covered	Cat. No.
1	CT, ME, MA, NH, NY, RI, VT	62-1041
2	DE, MD, NJ, PA	62-1042
3	MI, OH	62-1043
4	IL, IN, KY, WI	62-1044
5	IA, KS, MN, MO, NE, ND, SD	62-1045
6	DC, FL, GA, NC, SC, VA, WV	62-1046
7	AL, AR, LA, MS, OK, TN, TX	62-1047
8	AZ, CO, ID, MT, NM, NV, WY	62-1048
9	CA, OR, WA	62-1049

7.95 Each

Nine Regional Editions

*MOBILE USE OF SCANNERS MAY BE UNLAWFUL IN SOME AREAS OR REQUIRE A PERMIT—CHECK WITH LOCAL AUTHORITIES

Affordable Plug 'n Talk® FM Wireless Intercoms

Our Finest! Wireless 3-Station 3-Channel Intercom and Monitor

99.95 Set of 3

Low As $15 Per Month

- Talk Between Any Three Rooms
- Squelch Keeps Stations Silent Between Calls
- FM Cuts Electrical Noise
- Expandable—Just Add Another Set

No wiring necessary—simply plug each station into an AC outlet at the desired location. Each station features selectable 3-channel operation so you can talk with one station without disturbing the third. Call-tone button permits signaling one or all stations. Lockable Talk-bar is great for hands-free conversation or continuous monitoring. Each station has volume control, channel selector and power-on LED indicator. For desktop or wall. Simply add another set to expand system. 1 5/8 × 5 13/16 × 4 1/8". UL listed AC.

43-218 (TSP available) . . . . . **Set of 3/99.95**

Two-Station With Lighted Talk-Bar

69.95 Pair

- Lighted Talk-Bar Doubles As a Nightlight
- FM Operation Cuts Electrical Noise
- Call-Tone Button
- Squelch Control

Just plug into AC. Lock-bar for hands-free monitoring. Available in three frequencies to prevent interference. 1 3/4 × 6 3/4 × 4 3/4". UL listed AC. **43-212** (TSP available) . . . . . **Pair 69.95**

Budget-Priced 2-Station System

39.95 Pair

- Compact Size
- For Desk or Wall

Just plug in and talk. Call-tone lets you alert the other station. Lockable Talk-bar for hands-free talking or continuous monitoring. Volume control and power-on indicator. Add another pair anytime to expand. Slots for wall mounting. 1 7/8 × 5 7/8 × 4". UL listed AC.

43-207 . . **Pair 39.95**
(TSP available)

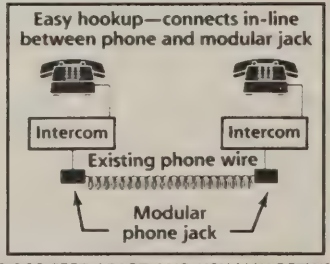
Add "Intercom" and "Hold" to Any Phone In Your Home With This 2-Station System

49.95 Pair

- A Time-Saver—Ends Running From Room to Room When Someone Else Has a Phone Call
- Phone-Line Operation for Maximum Clarity

For business or home! If the call is for someone at the other station, you can notify that person by intercom. Just plug into AC and modular jack, then plug phone into intercom. Intercom doesn't interfere with normal phone conversations. Expand the system by adding stations anywhere there's an AC outlet and phone jack. Talk-bar with lock for hands-free talking or monitoring. Each station has Call-tone and Phone-hold buttons, volume control. Desk/wall. 1 3/4 × 5 3/4 × 4". UL listed AC.

43-206 (TSP available) . . . . . **Pair 49.95**



WIRELESS INTERCOMS OPERATE UP TO 300 FEET APART AND USUALLY BETWEEN NEIGHBORING HOUSES AND APARTMENTS

Electronics for Home Security and Convenience

FM Wireless Room Monitoring System

24.95 Set

- **Keep an "Ear" On a Child's Room While You Relax**
- **Just Plug Into AC**

Low-priced system also makes an excellent 1-way intercom. Transmitter has an on/off switch and the receiver has an on/off volume control. 1 7/8 × 3 × 3 7/8". UL listed AC.
43-208 . . . . Set 24.95

Portable FM Cordless Room Monitor

39.95 Set

- **Monitor Any Room From Anywhere In The House**
- **Receiver Clips To Belt Or Pocket**

Receiver operates on AC with included adapter or 9V battery (not included). Transmitter UL listed AC. Extra receivers available on special order. **43-202** (TSP available) . . . . . **Set 39.95**
Flexible Antenna. For receiver. **43-189** **5.49**

Two-Station Wired Intercom

14.95 Pair

Battery-powered for home, shop or boat. Remote can signal master even when system is "off". For desk or mount on wall. Includes 66-foot cable with staple fasteners. 1 1/2 × 3 7/16 × 4 1/8". Requires 9V battery.
43-222 . . . . Pair 14.95

Four-Station Wired Intercom

24.95 Set

Master lets you talk with each station individually. Master volume and Call-button. Desk/wall. Three 66-ft. cables. Master, 1 1/2 × 4 1/8 × 4 3/4". Remotes, 1 1/2 × 3 7/16 × 4 1/8". Requires 9V battery or AC adapter.
43-223, Set of 4/24.95

Eight-Channel, 1-Way Wireless Paging System for Business or Home

The Low-Cost Way to Improve The Efficiency of Any Office

- **No License Required**
- **With Antenna for Up To 2-Mile Range**

99.95
Low As $15 Per Month

Realistic® PG-80. Powerful 7-watt transmitter. Push a button on transmitter and receiver "beeps" to alert user. Digital encoding (4096 possible combinations) with memory backup. Receiver alerts you with an audible signal when it's time to replace batteries. Add an outdoor CB antenna for extra range. Transmitter has three-hour memory backup. Includes transmitter and one receiver. Accommodates up to eight receivers. Transmitter, 2 1/4 × 7 × 4 5/8", is UL listed for AC operation. Receiver, 4 × 2 3/16 × 1 7/16", requires 3 "AAA" batteries. **49-710** (TSP available) **99.95**
Extra Receiver. 49-711 . . . . . **Each 29.95**

Radio Shack is America's Telephone Company℠

WHY YOU SHOULD BUY YOUR PHONES FROM RADIO SHACK

Whether for business or personal use, your telephone is a necessity—not a luxury. That's why Radio Shack telephones are designed, manufactured and tested to assure high reliability under demanding use. Unlike many other brands, our feature phones maintain basic operation even if external power fails—you'll never be "cut off" from the world. All are FCC registered. And, Quality Assurance Programs, including drop tests and extreme heat/cold environmental tests, mean years of trouble-free use.

Radio Shack offers a wide variety of phones, many with special convenience features. Easy to use, they're ready to plug in with standard modular connectors and include clear illustrated instructions. Most are hearing-aid compatible. All are backed by a full one-year limited warranty, with extended coverage available through the Tandy Service Plan—see page 93 or visit store for details. Service and a full line of accessories are available through 7000 Radio Shack locations.

Phones for Desk or Wall—All With Switchable Touch-Tone/Pulse Dialing

Access Long-Distance, Bank-by-Phone and Other Special Services, Even From Rotary-Dial Lines

(1) Radio Shack ET-126 Mini-Fone. One-piece design conveniently "hangs up" on any flat surface or mounts on wall with the included bracket. Features touch-redial of last number called and switchable hi/lo/off ringer volume control.
43-500 (TSP available) **19.95**

(2) Radio Shack ET-290 Trim-Fone™. Lighted keypad for dialing in any level of room light. Features convenient touch-redial and bell ringer on/off. Desk/wall mount. **White, 43-585. Almond, 43-586. Gray, 43-587** (TSP available) **34.95**

(3) Radio Shack ET-272 Slim-Fone™. Touch-redial, ringer hi/lo/off. Desk/wall mount. With 14-ft. modular cord. **Almond, 43-539. White, 43-540** (TSP available) **24.95**

(4) Mini Wall-Fone With Hold Button. Place a call on hold while attending to other business. LED indicator to remind you of call on hold. Touch-redial.
43-337 (TSP available) **39.95**

(5) Desk Phone With Hold Button. The "standard" for home or business. LED on-hold indicator, touch-redial, hi/lo/off ringer control. **White, 43-374. Beige, 43-375. Brown, 43-376. Black, 43-377** (TSP available) **39.95**

Add Style and Statement to Your Home With an Affordable Fashion-Fone®

Classic and Contemporary Designs Add Distinction to Office Desks, Too—Many Offer Special Convenience Features To Make Your Time More Productive

(1) French Style. Continental-style ringer and ornamental handset create a mood of European elegance. White with gold-color trim. Rotary-dial operation. 7-ft. modular cord.
43-326 (TSP available) **59.95**

(2) Imperial Classique. Exquisitely detailed scrollwork adorns the antiqued brass-colored base. Extended rotary dial for easy operation. 6-ft. modular cord. **43-323** (TSP available) **79.95**

(3) Constellation™. Futuristic design coordinates nicely with modern homes and "high-tech" offices. Hold button with LED on-hold indicator. Touch-redial, hi/lo ringer. Switchable Touch-Tone/pulse dialing. **43-358** (TSP available) **44.95**

(4) Mayfair™. Distinctive styling adds an attractive accent to contemporary home and office furnishings. Features hold button with LED on-hold indicator, touch-redial and hi/lo ringer. Switchable Touch-Tone/pulse dialing. **43-350** (TSP available) **39.95**

(5) President™. Rich wood-grain appearance. Features hold button with LED on-hold indicator, "flash" button for use with services such as Call Waiting, and mute button for privacy. Touch-redial, hi/lo ringer. Switchable Touch-Tone/pulse dialing.
43-359 (TSP available) **59.95**

(6) Radio Shack ET-183. Touch-redial, mute button, ringer hi/lo/off. Switchable Touch-Tone/pulse dialing.
43-363 (TSP available) **39.95**

SEE PAGE 79 FOR IMPORTANT INFORMATION ON TOUCH-TONE AND PULSE DIALING

Auto-Dialing, Special-Feature and 2-Line Phones

Desk/Wall Phones With Memory

(1) Radio Shack ET-282 Slim-Fone™. Auto-dials up to 20 phone numbers of up to 16 digits each. Redial button with pause for systems requiring access code. Hi/lo/off ringer control. **White, 43-542. Almond, 43-548** (TSP available) **29.95**

(2) Radio Shack ET-292 Trim-Fone™. Features lighted keypad for dialing in any level of room light. Auto-dials up to 20 phone numbers. Redial/pause, bell ringer on/off. **White, 43-581. Almond, 43-582** (TSP available) **44.95**

(3) Radio Shack ET-192. Auto-dials up to 20 phone numbers from memory. "Flash" button, redial/pause, ringer hi/lo/off. Memory backup requires 2 "AA" batteries. **43-532** (TSP available) **49.95**

Special Features for Special Needs

(1) Radio Shack ET-202. Large, easy-to-read buttons in two linear rows. Touch-redial, ringer hi/lo/off. Desk/wall mount. **43-345** (TSP available) **39.95**

(2) Radio Shack ET-204. Auto-dials up to 20 phone numbers from memory. Big buttons make dialing easy, and amplified handset with volume control boosts incoming sound—ideal in noisy locations or for the hearing-impaired. Has LDT button to temporarily activate tone dialing when in pulse mode, plus redial, pause and ringer hi/lo/off. Desk/wall mount. **43-349** (TSP available) **59.95**

(3) Radio Shack ET-276 Trim-Fone. Features amplified handset, lighted keypad for dialing in any level of room light, touch-redial and bell ringer on/off. Desk/wall mount. **43-579** (TSP available) **49.95**

(4) Radio Shack ET-203. Big-button design with amplified handset. Hold button with LED on-hold reminder. Touch-redial, ringer hi/lo/off. Desk/wall mount. **43-338** (TSP available) **49.95**

Two-Line Telephones for Twice the Versatility at Home or Office

59.95 Each

Switchable Tone/Pulse Dialing

Mini Wall-Mount 59.95

Auto-Dial Desk/Wall Mount 69.95

(1) Radio Shack ET-184 Fashion-Fone®. Now you can control two lines from one stylish desk phone—it's just right for homes with separate adult/kids lines or as a handsome accent to any office. Place one or both lines on hold, or press "conference" button to access both lines for 3-way conversations. Separate LED ring indicators and on-hold reminders for each line. Touch-redial, ringer hi/lo/off. **43-620** (TSP available) **59.95**

(2) Radio Shack ET-180. Place or answer calls on either line and put one or both lines on hold. Separate, distinct ringer sound and ring/hold LEDs for each line. Touch-redial, ringer hi/lo/off. **43-373** (TSP available) **59.95**

(1) Radio Shack ET-181. Rugged, low-cost phone that's ideal for use in warehouses, shops and garages, as well as homes and offices. Mounts on any standard modular wall plate. Separate, distinct ringer sound and ring/hold LEDs for each line. Touch-redial, ringer hi/lo/off. Switchable Touch-Tone/pulse dialing. **43-372** (TSP available) **59.95**

(2) Radio Shack ET-193. Auto-dials up to 20 phone numbers from memory, on either line. Hold, redial/pause and "flash" buttons, LED ring/on-hold indicators, ringer hi/lo/off. Switchable Touch-Tone/pulse dialing. Memory backup requires 2 "AA" batteries. **43-533** (TSP available) **69.95**

SWITCHABLE and PROGRAMMABLE TOUCH-TONE/PULSE dialing phones work on both tone and pulse lines. Therefore, in areas having only pulse (rotary-dial) lines, you can still use services requiring tones, like alternative long-distance systems and computerized services. TOUCH-TONE phones give you access to services requiring tones, but do not function on pulse (rotary-dial) lines. ROTARY/PULSE-SIGNALING phones work on both rotary-dial and Touch-Tone lines but do not produce the tones needed to access special services. Not for coin or party lines.

Multifeature 2-Line Memory-Dialing Telephones

Alphanumeric LCD Speakerphones

- **Stores 304 Numbers by Name**
- **Conference for 3-Party Calls**
- **Appointment, Memory, Call Timer, Date, Time Display**

DUõFONE®-206. With all this memory, you may not need your phone book again. Appointment calendar has beeper alarm reminder—stores up to 30 events. Eight priority number buttons for frequently called numbers. Auto-redial calls a number up to 10 times if busy or no answer. Memory redial temporarily stores a number for later redial. Has flash, redial/pause and hold buttons. Separate high/low/off ringer controls for each line. LED line status indicators. Touch-Tone/pulse dialing. Desk/wall mounting. UL listed AC adapter. Requires 4 "AA" batteries. **43-631** (TSP available) **199.95**

- **Stores Up to 190 Numbers by Name**
- **3 Priority Numbers**
- **Displays Time, Number Dialed and Length of Call**

DUõFONE-196. Features many of the options found only in big office phone systems in an affordable personal desktop telephone. Conference for 3-party calls. One-touch auto redial calls numbers up to 10 times if busy or no answer. Redial button for calling last number dialed. Flash and Pause for PABX and special calling functions like Call Waiting. LED line status indicators, hold button, separate high/low/off ringer controls for each line. Touch-Tone/pulse dialing. Desk/wall mounting. With UL listed AC adapter. Requires 2 "AA" batteries. **43-626** (TSP available) **149.95**

Your Choice! Speaker or Intercom

- **Combination Telephone and Two-Way Intercom System**
- **Memory Dials Up to 20 Numbers Automatically**

DUõFONE System-208. Just right for small businesses and homes with separate lines for adults and children. FM intercom with paging for talking with the other stations—works through existing phone lines—no additional wiring required. Redial button for calling last number dialed. Flash and Pause for PABX and special calling functions like Call Waiting. LED line status indicators, hold button. Separate high/low/off ringer controls for each line. Touch-Tone/pulse dialing. Desk/wall mounting. UL listed AC adapter. Memory backup requires 2 "AAA" batteries. **43-616** (TSP available) . . . . . **Each 99.95**

- **Speakerphone With Conference Calling, Hold and Privacy**
- **Memory Dials 33 Numbers**
- **3 One-Touch Priority Numbers**

DUõFONE-210. Add up to five extensions for real versatility anywhere. Conference makes 3-party calls possible on two lines without the assistance of the operator! Use the 2-way speaker for hands-free calls. Redial button for calling last number dialed. Flash and Pause for PABX and special calling functions like Call Waiting. LED line status indicators, hold button. Separate high/low/off ringer controls for each line. Touch-Tone/pulse dialing. Desk/wall mounting. UL listed AC adapter. Memory backup requires 2 "AA" batteries.
43-615 (TSP available) . . . . . **Each 99.95**

ALL TWO-LINE PHONES USE STANDARD RJ14 2-LINE JACKS / SEE PAGE 79 FOR TONE/PULSE DIALING INFO

Call on Radio Shack—America's Telephone Company℠

40-Memory LCD Speakerphone

NEW FOR '90

Special Alphanumeric Liquid Crystal Display For Number Dialed, Time, Alarm or Timer

DUOFONE-185. Memory redial temporarily stores a number for later redial. One-touch auto redial calls numbers up to 10 times if busy or no answer. Has alarm clock along with flash, redial and pause buttons. High/low/off ringer control. Touch-Tone/pulse dialing. Desk/wall. With UL listed AC adapter. Memory backup requires 2 "AA" batteries. **43-611** (TSP available) **99.95**

35-Memory, One-Touch Auto Dialing

NEW FOR '90

- **Touch-Redialing of Last Number Called**
- **Three Priority Numbers**
- **"Hands-Free" Speaker**

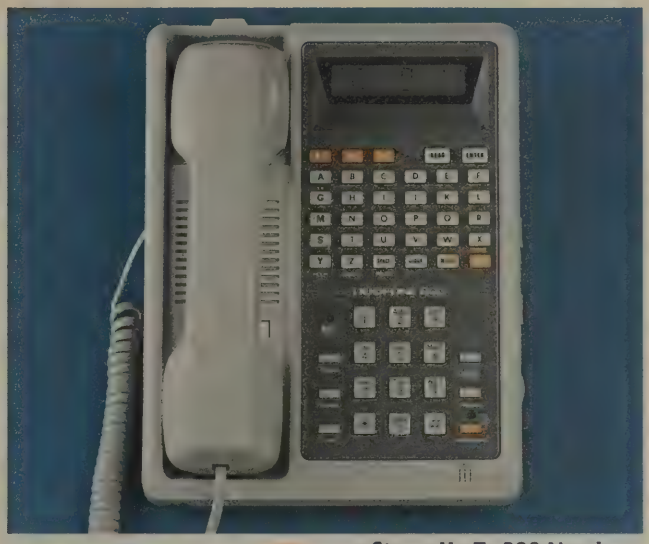
DUOFONE-169. Programmable Touch-Tone/pulse dialing for accessing long distance, bank by phone and other services. Flash and Pause for PABX and special calling functions like Call Waiting. High/low/off ringer control. Desk/wall mounting. UL listed AC adapter. Memory backup requires 2 "AA" batteries. **43-602** (TSP available) **79.95**

30-Memory, Three Priority Buttons

- **Chain-Dials Several Numbers Stored in Memory**
- **Use on Desk or Wall**
- **Built-In "Hands-Free" Amplifier**

DUOFONE-183. Programmable Touch-Tone/pulse dialing for using special services like banking by phone and low-rate long distance. Two-way speakerphone for hands-free conversations and on-hook dialing. Flash, pause, LDT and privacy buttons. High/low/off ringer control. Memory backup requires 4 "AA" batteries. **43-608** (TSP available) **69.95**

Multifeature Memory-Dialing With Alphanumeric Display and Speaker



119.95
Low As $15 Per Month

NEW FOR '90

- **Stores Up To 200 Numbers**
- **Dial by Name—Not Code**

Available Sept. 30, 1989

DUOFONE-203. The perfect telephone for small offices or homes where the convenience of auto-dialing and a 200-number memory are needed. Two-way speakerphone allows hands-free family and "conference" calls, plus convenient on-hook dialing. Alphanumeric LCD displays name, phone number dialed, time and functions. Auto Redial calls a number up to 10 times if busy or no answer. Touch redial automatically calls last number dialed. Three priority number buttons for fast, one-touch dialing of frequently called or emergency numbers. Programmable Touch-Tone/pulse dialing. Flash and pause buttons for computer access and special phone services like Call Waiting. Adjustable high/low/off ringer control. Desk/wall mounting. Installation couldn't be easier—just plug into a standard modular phone jack. Requires 2 "C" batteries.
43-624 (TSP available) **119.95**

Lightweight Headset Phone

NEW FOR '90

49.95

Available Sept. 30, 1989

Great for Receptionists, Busy Executives, Even Teenagers—Anyone Who Needs Hands Free During Phone Conversations

DUOFONE-151. Headset with adjustable microphone is so light you'll hardly notice that you're wearing it! Comfortable earpiece can be worn on either side of the head. Hold button with LED indicator. Has last number redial, flash, talk/hang-up buttons, volume control. High/low/off ringer control. Touch-Tone/pulse dialing. Belt clip. **43-590** (TSP available) **49.95**

DUõFONE 4-Line Phones–Centrex/PABX Compatible

With Intercom, Auto-Dialing, Speakerphone

199.95 Per Station

Low As $15 Per Month

NEW FOR '90

Expandable to 10 Stations

- **Built-In 2-Way Intercom—Requires No Additional Wiring**
- **Call Any Station or Page All Through Built-In Speakers**
- **Hold Button ■ LED Status Indicator for Each Phone Line**
- **Speakerphone for On-Hook Dialing and Hands-Free Calls**

DUõFONE® System 412. This versatile system handles up to four phone lines and is easy to expand—just plug in more stations. LEDs tell you at a glance which lines are free, in use, ringing or on hold. You can use the intercom to call an individual station or page through the built-in speakers of all stations. Line-lock button keeps conversations private—prevents other stations from listening in. Do-not-disturb button temporarily disables ringer and intercom—use it to prevent interruptions during meetings. Line-ringer controls at each station determine which lines will ring.

An easy-to-program memory stores up to 20 numbers for one-touch automatic dialing. You also get a handy redial button and a separate auto-redial button that redials numbers up to 10 times. Speakerphone for convenient on-hook dialing, redialing and hands-free conversations. Flash button for use with services like Call Waiting. Comfortable "K"-style handset with detachable cord. Programmable tone/pulse dialing. Plugs into two 2-line (RJ14) jacks. $9\frac{1}{2} \times 7\frac{1}{4} \times 2\frac{3}{4}$". Wall mountable. UL listed AC adapter. Backup requires 9V battery. **43-460** (TSP available) . . **Per Station 199.95**

They're Good for Business! Low-Priced, Feature-Packed Phones

With Hold, Intercom and Paging Speaker

- **Built-In 2-Way Intercom Requires No Extra Wiring**
- **Hold Works on All Lines ■ LED Line-Status Indicators**

DUõFONE System 409. Discover the economy of owning your business phone system. Handles up to four lines and easy to expand—just plug in up to 12 stations. LEDs indicate which lines are free, in use, ringing or on hold. Individual line-ringer controls let you select which lines will ring at each station. Use the intercom to page through the speakers of all stations, then talk with an individual station. When you want privacy, the Do-not-disturb button disables ringer and intercom. Aux jack for adding accessories such as an auto-dialer or speakerphone. Flash button for use with services like Call-Waiting. Switchable tone/pulse dialing. Redial button. Plugs into two 2-line (RJ14) jacks. $9\frac{1}{4} \times 7\frac{1}{4} \times 2\frac{3}{4}$". Wall mountable. UL listed AC adapter. Ringer backup requires 9V battery. **43-456** (TSP available) . . . . . **Per Station 149.95**

With Hold, Line-Status LEDs and Redial

- **Plug-In Installation—No External Controller Required**
- **Flash Button for Use With Services Like Call-Waiting**

DUõFONE 406. Handles up to four lines and you can expand to 12 stations. Hold button works on all lines and LEDs indicate which lines are free, in use, ringing and on hold. Has handy touch-redial of last number dialed. Switchable tone/pulse dialing for use on any phone line. Aux jack for adding speakerphone or auto-dialer. $9\frac{1}{4} \times 7\frac{1}{4} \times 2\frac{3}{4}$". Wall mountable. UL listed AC adapter. Ringer backup requires 9V battery. **43-453** (TSP available) . . . . . **Per Extension 119.95**

PURCHASE ANY PHONE ON THIS PAGE FOR AS LOW AS $15 PER MONTH—SEE PAGE 3

Dialers, Speakerphones and Telephone Accessories

Accurate, Automatic Pocket Tone Dialers

- **Stores Up to 60 Numbers**
- **LCD Dialing Display**

39.95

Hold it to the mouthpiece of nearly any phone, press the keys and it dials for you accurately and automatically. LCD display. Chain-dialing for easy use of long-distance services. Security lock prevents unauthorized use. Last number redial. Index in cover. 4 3/8 × 2 3/8 × 5/8". Requires 3 "AAA" batteries. **43-143** (TSP available) **39.95**

- **Stores Up to 33 Numbers**
- **Three Priority Memories**

24.95

Access low-rate long-distance, tone-activated dictation machines, remote answerers and autopatch systems from nearly any phone. 30 standard memory locations and three priority locations for one-touch dialing of emergency or frequently called numbers. LED low-battery indicator. Index on back. 4 3/8 × 2 5/8 × 5/8". Requires 3 "AAA" batteries. **43-141** **24.95**

The Perfect Beeper for "Beeperless" Answerers

15.95

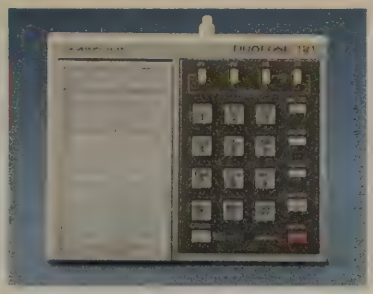
Our economy pocket tone dialer lets you use long-distance and other services requiring tones from rotary-dial (pulse) telephones. Also great for tone-activated answering, dictation and autopatch systems. LED low-battery indicator. 3 3/4 × 2 1/4 × 5/8". Requires 3 "AAA" batteries. **43-139** **15.95**

High-Capacity, Desktop-Style Auto-Dialer

39.95

NEW FOR '90

DUõFONE-121. Adds easy, accurate automatic dialing to most any phone—just plug in. Features four priority keys for frequently called or emergency numbers, index, pause key, LED battery and dialing indicators. Programmable tone/pulse dialing. 1 5/8 × 5 7/8 × 4 3/4". Requires 2 "AA" batteries.
43-300 (TSP) **39.95**



Memory Stores Up to 104 Numbers, Up to 32 Digits Each

Add-On Speakerphones

(1) DUõFONE-102. Adds hands-free talking and listening to any phone—just plug in. Features automatic sensitivity adjustment, high-speed talk/listen switching and privacy button to temporarily disable mike. 2 × 6 3/4 × 3/4". Phone-line powered. Jack for AC adapter (#273-1455, extra) for use on low-current phone lines.
43-292 (TSP available) **39.95**

(2) Boost office efficiency or enjoy "family" calls. Phone-line powered. Has volume control, sensitivity and privacy pushbuttons. 5-foot cord with modular plug. 3 1/2 × 6 × 3 1/8". **43-278** . . . **24.95**

Professional Accessories for Your Home, Business or Organization

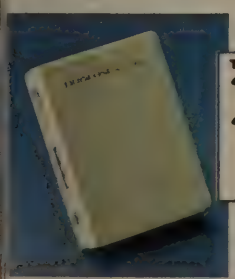
Two-Line Call Forwarding System

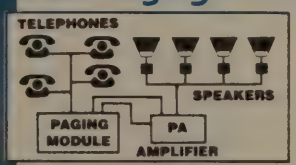
Forwards Calls to Any Number—Automatically

99.95 Low As $15 Per Month

DUõFONE CFS-200. Stay in touch! Forwards incoming calls to any number you set. While you're away, you can turn forwarding on/off or change the forwarding number with a tone phone or tone dialer. Security code. Switchable tone/pulse dialing. 1 5/8 × 5 3/8 × 7 7/8". With UL listed AC adapter. Requires 2-line phone service and 6 "AA" batteries for backup. **43-155** (TSP available) . . . 99.95

Add Paging to Any Phone System





59.95

Connects Tone Phone To a PA System

DUõFONE Paging Module. Lift phone handset, press ★ key to page. Or press # key to put caller on hold and page. UL listed AC adapter. **43-183** (TSP) **59.95**

Telephone Accounting System

99.95

Low As $15 Per Month

- **Prints Detailed Record of All Calls to Help Spot Abuse**
- **Easy Plug-In Installation**

DUõFONE CPA-1000. Plugs in anywhere on your line and provides a printout of date, numbers dialed, starting time and length of calls—even the number of rings before a call was answered. Makes it easy to spot misuse and track billable time spent with clients. Prints details as they happen and a summary at end of day or when needed. For single-line use. 2 × 5 7/8 × 6 1/4". UL listed AC adapter. Backup system requires 4 "AA" batteries. **43-152** (TSP available) 99.95

TELEPHONE AMPLIFIERS AND AUTO-DIALERS MAY NOT OPERATE ON SOME BUSINESS TELEPHONE SYSTEMS

Go Cordless! With DUõFONE Reliability and Value

DUõFONE® The Phones You Can Use Anywhere in Your Home or Office

Radio Shack's exclusive DUõFONE cordless telephones are built to the same high standards as our regular corded phones. Each model must pass tough quality-control tests, including drop survival, environmental extremes and extensive field testing. From our first cordless phone in 1979, Radio Shack has led the way in bringing you innovative features at affordable prices. All of our cordless telephones have a built-in security system to prevent other cordless phones from using your line. Each cordless handset has user-replaceable batteries. All models feature wall-mountable bases, are FCC registered and provide full legal power for maximum range and clearest possible sound.

Our Best! With 2-Way Intercom, Auto-Dialer, Speakerphone Base

Two Phones in One! Make and Take Calls With the Handset or Speakerphone Base

DUõFONE ET-435. The ultimate in convenience! Two-way intercom allows someone at the base or handset to call and talk to the other unit. If you use the intercom during a phone call, the call is put on hold automatically. Separate two-way paging feature lets you "beep" the base or handset from the other location. Stores up to 30 phone numbers for automatic dialing. All 10 cordless-phone channels are built in. Just press a button on the handset—even during a call—to change channel for clearest possible reception. Both handset and base have "flash", "privacy" and "redial" buttons, volume control and off/low/hi ringer control. Fully automatic 640,000-combination security code makes it virtually impossible for another cordless phone to access your line. New high-efficiency design gives you several days of normal handset operation between recharges. Programmable tone/pulse dialing. Includes UL listed AC adapter.
43-563 (TSP available) **149.95**

DUõFONE ET-430. As above, but without speakerphone and intercom features. A page button on base lets you "beep" the handset. UL listed AC. **43-562** (TSP available) **129.95**

This Remote-Base Phone is Easy To Place Anywhere You Need It

99.95
Low As $15 Per Month

NEW FOR '90

No Cord! Ideal for a Coffee Table or Patio

- **Goes Anywhere! No Cord Between Wall and Phone**
- **No Recharging! Works on Ordinary "C" Batteries**
- **Switchable Tone/Pulse Dialing—Use on Any Line**

DUõFONE ET-385. Super value! This new phone gives you extra features and classic styling with a big difference. There's no cord between the wall and the phone's cradle. You can place this phone anywhere on your desk, mount it anywhere on a wall, and easily move it wherever you need it. Features include "flash" button for services like Call Waiting, touch-redial of last number called, hi/low ringer control, and preset security system. The wall unit has a UL listed AC adapter and is easy to install wherever you have a modular jack and AC outlet. Handset has a directory for frequently called numbers. Telescoping antenna on wall unit for extended range. The cradle requires 3 "C" batteries.
43-570 (TSP available) **99.95**

SEE PAGE 79 FOR DIALING INFORMATION / PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS

Feature-Packed Cordless Phones and Accessories

Two Lines and "Hold", 30-Number Auto-Dialing and Amplified Handset

159.95 Low As $15 Per Month

The Perfect Cordless If You Have—Or Plan to Get—A Second Line

DUõFONE ET-422. Great for any home or business with two phone lines. Line-2 on/off switch allows use on a single phone line, too. LEDs on the handset and base indicate which line is ringing, in-use or on hold. Controls on the handset let you make or take calls on either line, and put either or both lines on hold. Features built-in amplifier with adjustable volume to boost caller's voice, 30-number memory with programmable tone/pulse dialing, "flash" button for services like Call Waiting, "redial" of last number entered, "LDT" for selecting or programming tone dialing, and "privacy" mike-mute button. Selectable security code. UL listed AC.
43-560 (TSP available) **159.95**

Carrying Case

5.49

Hooks on Belt Loop

Protects and provides convenient hands-free carrying for most cordless handsets.
43-190 . . . . . **5.49**

Flexible Antenna

5.49

Installs in Seconds

Replaces inconvenient and broken telescoping antennas on most cordless handsets.
43-189 . . . . . **5.49**

Top-Quality DUõFONEs Give You More Talk for Less Money!

With Convenient Automatic Memory Dialing and Auto-Set 64,000-Combination Security Code

DUõFONE ET-421. You can make or take calls from any room and even outdoors. The easy-to-program memory stores up to 30 phone numbers and you get separate keys for one-touch dialing of three priority numbers. Handset has "flash", "LDT" and "privacy" buttons, LED low-battery indicator, and memory directory on rear. Built-in 64,000-combination security code resets automatically each time you return the handset to the base. Base has charging and in-use LEDs. Includes UL listed AC adapter.
43-558 (TSP available) **119.95**

DUõFONE ET-396. As above, but has three one-touch dial memories and LED charging indicator on base. Includes UL listed AC adapter.
43-557 (TSP available) **99.95**

With Handy Touch-Redial of the Last Number Entered

DUõFONE ET-393. Even our lowest-priced cordless phone has a preset security code to prevent unauthorized use of your line and user-replaceable rechargeable batteries. Switchable tone/pulse dialing. LED low-battery indicator. UL listed AC.
43-544 (TSP available) **79.95**

Radio Shack Has the Answer to Missed Messages

DUõFONE® You'll Get the Message Clearly Every Time

Exclusively at Radio Shack, DUõFONE answerers provide the features you need plus "extras" other brands don't give you. Everything you need to deliver and receive messages clearly every time is built in. Tape jam/break sensors keep your phone line free by turning off the answerer if a tape ever malfunctions. Power-interrupt protection preserves operational mode during brief power failures and returns to last setting when power is restored. Built-in electrical spike protection exceeds FCC requirements.

Most models feature dual cassettes to make it easy to change announcements and store received messages. Beeperless remote answerers have user-selectable security codes to prevent unauthorized remote use—not inflexible factory presets. Our Quality Assurance programs include drop tests, extreme heat/cold environmental tests and simulations of 10 years of operation—that means trouble-free use. DUõFONE features "instant" modular installation and clear, illustrated instructions.

Selectable Digital Voice Announcement

59.95

Digital Voice Chip Delivers Built-In Announcement in Selectable Male Or Female Voice

DUõFONE TAD-241. Delivers a clear, pleasant-sounding outgoing message that never wears out—eliminates the need to record your own message. Records up to sixty 30-second messages on one standard size cassette. Cue/review helps you locate specific messages quickly and easily. With Call-monitor, you can screen callers before deciding to answer. 1⅞ × 7⅞ × 4¼". **43-393** (TSP available) **59.95**

Microprocessor Control and Dual Cassettes

79.95

Microprocessor and Soft-Touch Controls Handle Functions Quickly, Smoothly

99.95

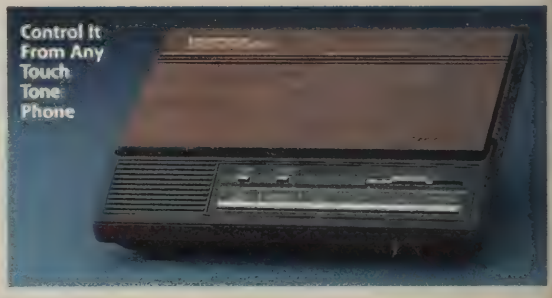
Low As $15 Per Month

Beeperless! Check Messages and Reset From Any Touch-Tone Phone

DUõFONE TAD-410. You can record a personalized outgoing message of any length and select immediate (first-ring) or delay answer. Voice actuation and Calling Party Control stop the recorder when caller hangs up or stops talking for more than a few seconds—saves tape and playback time. Features selectable 30-second/3-minute maximum incoming-message length and announce-only mode. Auto-reset eliminates waiting for machine to stop when you pick up a phone during a message. Remote turn-on, memo recording, cue/review, rewind/erase. Dual cassettes. 2¼ × 9 × 7¾". **43-398** (TSP available) **79.95**

DUõFONE TAD-412. Has same features as above, plus remote message retrieval/reset, security code and Toll-saver. **43-399** (TSP available) **99.95**

Full-Function Touch-Tone Remote



119.95 Low As $15 Per Month

Programmable Security Code ■ Dual Cassettes

DUõFONE TAD-325. Beeperless. Control all major functions, even change your outgoing message and monitor the room answerer is in, from any Touch-Tone phone or with most pocket tone dialers. Security code, voice activation, Calling Party Control, Toll-saver, variable message length, announce-only function. 2¼ × 10 × 8". **43-396** (TSP available) **119.95**

Two Lines and Beeperless Remote

139.95 Low As $15 Per Month

Voice Actuation (VOX) ■ Calling Party Control (CPC)

DUõFONE TAD-330. Answers two separate lines. If both ring, the first caller is greeted by your personal message and the second by a digital voice announcement. You can even talk on one line while another is answered. Call-monitor for screening callers, Toll-saver to indicate if there are any new messages, announce-only function. Dual cassettes. 2¼ × 10 × 8". **43-397** (TSP available) **139.95**

DUõFONE ANSWERERS ARE FCC REGISTERED AND UL LISTED AC FOR ELECTRICAL SAFETY / NOT FOR COIN OR PARTY LINES

Our DUõFONE Line...Answering America's Calls™

Remote, Digital Voice Prompts, Time/Date Stamp

- **Beeperless Remote Controls All Major Functions From Any Touch-Tone Phone or With Pocket Dialer**
- **Digital Voice Gives Helpful Operating Prompts**
- **Announces Number of Calls Received and Messages Left Plus Time/Date of Each Message During Review**

139.95

NEW FOR '90

Low As $15 Per Month

DUõFONE® TAD-440 Answerer. Gives helpful verbal instructions and "stamps" the time and date on each incoming message. Features variable outgoing-message length, immediate/delay answer mode, 30-second/3-minute maximum incoming-message length and announce-only mode—even records 2-way conversations. Auto-reset eliminates waiting for machine to stop when you pick up a phone during a message. Security code, remote turn-on, memo recording, room-monitor, VOX, CPC, Call-monitor, Toll-saver, cue/review, rewind/erase. 2¼ × 9 × 7¾". Memory backup requires 9V battery. **43-400** (TSP available) **139.95**

Answerer/Phone With Speakerphone And Memory

179.95

Low As $15 Per Month

- **Dual Microcassettes**
- **Two-Way Recording**
- **Remote Room-Monitor**
- **Call-Monitor** ■ **VOX**
- **Toll-Saver** ■ **CPC**

DUõFONE TAD-252. Full-function beeperless remote operation, built-in speakerphone for 2-way hands-free conversations and 20-number auto-dialing memory. Switchable Touch-Tone/pulse dialing. 3¼ × 7½ × 9¼". Includes CR2032 battery for memory backup.
43-395 (TSP available) **179.95**

Remote and Important-Call Breakthrough

129.95

Low As $15 Per Month

Important Call Feature "Beeps" To Alert Anyone Near Answerer To Pick Up Your Call

DUõFONE TAD-245. Alert family or office to your call and control all major functions from any Touch-Tone phone. Dual microcassettes make changing, storing message tapes easy. VOX, Call-monitor, Toll-saver, variable message length, memo recording, 2-way record. 2¼ × 8⅛ × 6⅛". **43-394** (TSP available) **129.95**

Get Your Message Across Clearly With These Tapes and Accessories

Customized Announcement Tapes

Five Editions

5.95 Each

- **Ten Selections on Each**
- **Use With Most Answerers**

Comedy Edition Volume I. Hilarious impersonations of Groucho Marx, W.C. Fields and eight others. **43-416** **5.95**

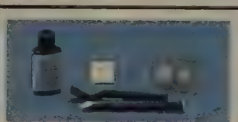
Rich Little Edition Volume I. The famous impersonator answers as Bogart, Gable, John Wayne, seven others. **43-419** **5.95**

NEW! Rich Little Edition Volume II. Frank Sinatra, Jack Nicholson, Kirk Douglas, Howard Cosell, six others. **43-420** **5.95**

NEW! Julie Dees Comedy Edition. Impressions of Elizabeth Taylor, Marilyn Monroe, Barbara Walters, Dolly Parton, more. **43-421** **5.95**

NEW! Professional Edition. Messages for various situations and occasions—ideal for businesses and home offices. **43-422** **5.95**

Cassette Phone Answerer Demagnetizer/Cleaner Kit. Keeps outgoing/incoming messages crisp and clear. Includes demagnetizer cassette, probe, mirror, solution. **44-1167** **5.95**



Microcassette Answerer Demagnetizer/Cleaner Kit. Cleaner, probe, mirror, solution for microcassette answerers. **44-1168** . . . **5.99**

Announcements and Messages

Size	Type	Recording Time	Cat. No.	Each
Cassette	Ann., Endless Loop	15 Seconds	43-403	4.95
Cassette	Ann., Endless Loop	20 Seconds	43-401	4.95
Cassette	Ann., Endless Loop	30 Seconds	43-402	4.95
Cassette	Ann., Endless Loop	60 Seconds	43-406	4.95
Cassette	Ann., Endless Loop	3 Minutes	43-407	4.95
NEW! Cassette	Ann., Leaderless	30 Sec./Side	43-435	2.29
NEW! Cassette	Ann., Leaderless	1½ Min./Side	43-436	2.29
NEW! Cassette	Ann., Leaderless	2½ Min./Side	43-437	2.29
NEW! Cassette	Ann., Leaderless	5 Min./Side	43-439	2.29
Micro	Announcement	7½ Min./Side	43-409	3.49
Cassette	Message, Leaderless	30 Min./Side	43-410	2.39
Cassette	Message, Leaderless	45 Min./Side	43-411	2.49

SEE PAGE 79 FOR IMPORTANT INFORMATION ON TOUCH-TONE AND PULSE DIALING

Telephone Bells, Flashers, Headset and Amplifiers

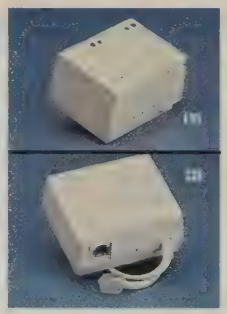
Universal Hands-Free Telephone Headset

49.95 NEW FOR '90

- Great for Receptionists, Busy Executives—Or Even Teenagers
- A Must for People Who Need To Keep Their Hands Free During Phone Conversations
- Works on Most Phones With Modular Handset Cord
- Switchable for Handset Or Headset Operation

DUōFONE®-129. Adjustable mike boom frees your hands—you don't have to twist your neck to support a handset. Amplifier module has volume control. Handset/headset switch allows you to easily choose between the two—no need to unplug your headset to switch to the handset. Selectable setting for use with most types of phones. LED battery test indicator. Requires 4 "AA" batteries. **43-172** (TSP available) **49.95**
Not compatible with phones with dial in handset and some electronic phones

Controller and Adapter



Modular Connectors for Easy Hookup

(1) Two-Line Phone Controller. Switches single-line device between two lines, allows you to use separate Line 1, Line 2 and Hold buttons to choose the line you need. Has separate ringing and hold LED indicators for each line. Phone-line powered—keeps hookup simple, and there's no wiring to install. **43-380** **34.95**

(2) Two-Line Answering Machine Adapter. Simply connect your answerer to two phone lines, using this adapter, and it will be able to answer both lines. Auto-switching system. Phone-line powered—requires no batteries or AC. **43-383** **21.95**

Telephone Extension Bells

(1) Indoor Extension Bell. Cancels phone's electronic ringer or works by itself. Modular plug. **43-175** **14.95**

(2) NEW! Extra Volume. Really loud—the way phones used to ring. Volume control. For indoor use. **43-173** Available Oct. 15, 1989 . . . . **21.95**

(3) Outdoor Bell. Handy for porch, patio or garage, warehouses. Weather-resistant molded housing. Modular jack. **43-174** **29.95**

Snap-On and Compact Handset Amplifiers

Snap-On. Attaches to most hearing aid-compatible phones. Requires "N" battery. **43-229** **10.95**

Compact. Volume and tone. Requires 9V battery. **43-237** **19.95**

Not for phones with dial in handset. May be incompatible with some electronic phones

See It Ring—Fone-Flashers

(1) Fone-Flasher™. Turns a lamp on and off when phone rings. For incandescent lamp to 300W. UL listed AC. **43-177** **14.95**

(2) Fone-Flasher 2. Activates built-in strobe and ringer when phone rings. Selectable modes. UL listed AC. **43-178** **29.95**

(3) Mini Fone-Flasher. Ideal for offices with many phones—shows which phone is ringing. 7-foot modular cord and duplex jack. Powered by phone line. **43-179** **8.95**

Portable Listener

8.95

Amplifies Calls so Others Can Listen

Suction cup pick-up, volume control. 1⅝ × 3½ × 4⅝". Requires 9V battery or AC adapter. **43-231** **8.95**

Soft Shoulder Rest

3.99

For Calling Comfort

Designed for comfortable use of most handsets. **43-128** **3.99**

Handy Accessories

Ringer Silencer. On/off switch. Has 7-foot cord. For modular phones. **43-127** **7.95**

Pen and Holder. Stick-on. **43-110** . . . . . **99¢**

Recording Controls

(1) Single Phone. Auto-records your calls on most recorders with a remote jack. **43-228** **19.95**

(2) Multiphone. Also works with extension phones. **43-236** **24.95**

Voice and Data Guard

7.95 NEW FOR '90

Great for Modems and Fax Machines

Teleprotector. Stops interruptions of phone calls or fax or modem transmissions. Also stops answerers when picking up phone. **43-107** Avail. Oct. 15, 1989 . . . **7.95**

Spike Protector

12.95

Protects Phone Equipment

Helps prevent damage to modems, fax and phone equipment. Protects against voltage spikes on line. For devices using RJ11C jacks. **43-102** **12.95**

Four-Line Tap

19.95

Simple To Use

Increases versatility and saves money by adding single-line devices to your 1A2-type multiline system. 1¼ × 2⅜ × 4". **43-270** **19.95**

Phone Line Tester

Low As 3.49

LEDs show if line is operational. Safe to use. Powered by phone line. **43-101** **3.49**

NEW! 2-Line Tester. 43-103 . . . . . **5.29**

THERE'S ALWAYS A RADIO SHACK STORE OR DEALER NEAR YOU—WHEREVER YOU LIVE OR GO IN THE U.S.A.

"Gold Standard*" Phone Jacks, Plugs and Cords

Wall Plates, Jacks, Plugs and Adapters

(1) **New Low Price! Round Modular Wall Jack.** Was $4.95 in 1989 Catalog. **279-392** 3.95
(2) **Rectangular Modular Wall Jack. 279-352** 3.95
(3) **Dual Wall Plate.** For up to four lines or two phones. **279-350** 5.95
(4) **Wall Phone Plate.** For standard modular wall phones. **279-387** 5.95
Surface Mount Wall Phone Plate. No electrical box required. **279-382** . . 5.95
(5) **Quick-Connect Jack.** Converts wall block for use with modular plug. Spade terminals. **279-355** 2.19
Modular Jack. As above, with snap-on clips. **279-386** 2.99
Modular Jack with Wiring Block. 279-349 . . . . . 3.95
(6) **Surface-Mount Modular Jack. 279-353** 3.95
(7) **Outdoor Wall Plate.** Modular jack with flip-up cover. **279-340** 8.95
(8) **Entrance Bridge.** Connect to phone co. network interface. **279-394, 6.49**
(9) **Dual Modular Jack With AC Wall Plate. 279-415** 6.95
(10) **Six-Wire Surface Mount Jack.** RJ25C 3-line jack. **279-420** 4.49
(11) **Quick-Plug.** Converts older phones for modular jacks. **279-375** . . . 2.95
(12) **Duplex Jack.** Couples two devices into one jack. **279-357** 4.95
(13) **New Low Price! Cord Adapter.** Converts modular plug to 4-prong. Was $3.19 in 1989 catalog. **279-351** 2.99
(14) **42A Connector Block.** For spade lugs or bare wire. **279-389** 2.19
(15) **Quick-Connect Modular Plug. 279-383** 3.95
(16) **Plug Adapter.** Converts 4-prong plug to modular plug. **279-393** . . 3.49
(17) **Inline Coupler.** Interconnects two modular line cords. **279-358** 2.49
(18) **Modular Duplex Wall Phone Adapter. 279-359** 9.95
(19) **Five-Outlet Modular Adapter. 279-410** 9.95
(20) **Four-Prong Jack.** Accepts standard 4-prong plug. **279-367** 1.69
(21) **Four-Prong Plug.** Fits standard 4-prong jack above. **279-366** 1.49

Tools and Cables

Fig	Description	Cat. No	Price
1	Wire Stripping Tool	279-400	1.99
2	Phone Connector Crimp Tool	64-410	7.49
3	Weather-Sealed Splice Connector	64-3080	4/1.69
4	NEW! Weather Sealed Tap Connector	64-3081	4/1.89
5	Insulation-Piercing Spade Lugs	64-3070	24/1.29
6	Insulated Butt Connector	64-3073	24/1.29
7	Solid Cable 50-Feet 24-Gauge	278-372	5.79
*	100-Foot, 4-Conductor Cable	278-737	10.95
*	Four-Conductor Bulk Cable	278-1320	.12/Ft.
8	Modular Cable 50-Feet, 4-Conductor	287-365	5.49
*	100-Feet of Modular Cable	278-366	10.98
9	NEW! 100-Ft Direct-Burlable 4-Conductor Cable	278-375	14.99

Modular Handset Cords

25 Feet

Color	Cat. No.	Each
White	279-301	5.95
Almond	279-302	5.95
Beige	279-303	5.95
Brown	279-304	5.95
Gray	279-300	5.95
Black	279-305	5.95

12 Feet

Color	Cat. No.	Each
White	279-306	4.95
Almond	279-307	4.95
Beige	279-308	4.95
Brown	279-309	4.95
Gray	279-311	4.95
Black	279-312	4.95

25-Foot Heavy-Duty Cord

Color	Cat. No.	Each
White	279-290	7.95
Almond	279-291	7.95
Beige	279-292	7.95
Brown	279-293	7.95

Coiled
Low As
4.95

Modular Line Cords

Fig.	Description	Cat. No.	Price
1	Satin, 18-Ft. Coiled Modular-to-Modular	279-395	5.95
1	White, 18-Ft. Coiled Modular-to-Modular	279-396	5.95
1	Brown, 18-Ft. Coiled Modular-to-Modular	279-397	5.95
2	12-Ft. Modular-to-Modular	279-374	4.99
2	25-Ft. Modular-to-Modular	279-356	6.15
2	5¼" Modular-to-Modular	279-390	.99
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3	25-Ft. Modular-to-Spade	279-364	6.15
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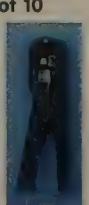

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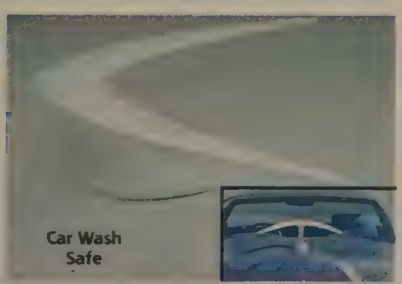

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TANDY SERVICE PLAN

Available at Radio Shack Stores Nationwide

Our commitment to SERVICE includes affordable Buyer Protection beyond the normal product warranty period. TSPs are available for many of our products. Convenient and easy to start, these Plans take the worry out of maintaining your equipment and extend parts and labor coverage to a total of five years in many cases. Initial coverage is inclusive of normal product warranty. Service is performed by expert technicians in Company-owned Service Centers and available through any of our 7000 retail locations nationwide. With TSP, there are no unexpected repair costs.

Look for "TSP Available" Following Catalog No. in Product Descriptions as in Enlarged Example at Right

LED tape-direction indicators, rotary volume and tone controls and slide-action balance control with center detent. 1 3/4 × 5 11/16 × 5 5/16". Has 8 watts total output. **12-1985** (TSP available) **69.95**

Series	Description	Price	Years	Series	Description	Price	Years	Series	Description	Price	Years
12	Sound Items *below* $50	19.95	3	16	Televisions, Black & White	59.95	3	33	Headphones & Mikes *above* $50	29.95	3
12	Sound Items *below* $100	29.95	3	16	Televisions, Color	79.95	3				
12	Sound Items *above* $100	39.95	3	17	Cellular Phones	129.95	3	42	Audio Components *below* $50	19.95	5
13	Clarinette Music System	59.95	3	19	Ham Radio	39.95	5	42	LAB Series Turntables	39.95	5
13	Rack Systems *below* $500	59.95	3	20	Scanners *below* $200	39.95	5	42	Musical Keyboards	39.95	5
13	Rack Systems *above* $500	99.95	5	20	Scanners *above* $200	59.95	5	42	CD Compact Disc Players	59.95	5
14	Audio Items *below* $50	19.95	3	21	Walkie-Talkies *below* $50	19.95	3	43	TAD Answering Devices	39.95	3
14	CTR/Mini Cassettes	39.95	3	21	Walkie-Talkies *above* $50	39.95	3		Phones/Intercoms *below* $50	19.95	3
14	SCT Cassette Decks	59.95	5	21	CB Transceivers	39.95	3	43			
14	SCR/Modulaire Portables	39.95	3	22	Radar Detectors	39.95	3				
15	Video Components *below* $100	19.95	3	25	Computer Equipment	**	1	43	Phones/Intercoms *above* $50	39.95	3
				26	Computer Equipment	**	1				
15	Video Components *above* $100	29.95	3	31	Equalizers	39.95	5	43	Cordless Telephones	49.95	3
				31	STA/SCR Receivers	59.95	5	43	FAX Machine	199.95	3
16	Video Cassette Recorders	49.95*	1	32	PA Items *below* $50	19.95	5	49	Alarm Control Units	39.95	3
16	Video Cassette Recorders	139.95*	3	32	PA Items *above* $50	39.95	5	63	Electronic Items	39.95	3
16	Camcorders	79.95*	1	33	Headphones & Mikes *below* $50	19.95	3	65	Calculators *below* $50	19.95	3
16	Camcorders	199.95*	3					65	Calculators *above* $50	29.95	3

All price breaks are based on CURRENT ANNUAL CATALOG price. Sale prices do not apply
*VCR and Camcorder TSPs may be purchased for either one three-year term or three one-year terms. One-year plans are renewable twice for a total term not to exceed three years from the original equipment purchase date.
**Carry-In and On-Site TSPs are available for Tandy/Radio Shack computer equipment. For details, visit your local Radio Shack.

EMPLOYMENT OPPORTUNITIES

Promising Careers in Retail Sales, Computer Marketing and Support, And Sales Management

If you have sales ability, are willing to work to achieve maximum results and are interested in compensation keyed to productivity, then our Radio Shack store or Radio Shack Computer Center training programs may be the career opportunity you've been looking for. Thanks to our continuing growth, there are numerous career opportunities available in many market areas.

Write Our National Headquarters for the District Sales Office Location Nearest You!

PROFESSIONAL EMPLOYMENT
500 One Tandy Center, Fort Worth, TX 76102
An Equal Opportunity/Affirmative Action Employer

HUNDREDS OF ADDITIONAL ITEMS AVAILABLE THROUGH OUR SPECIAL-ORDER "HOTLINE" SERVICE—SEE PAGE 124

STEREO-MATE® Take-Along Receivers and Radios

Weatherized AM/FM Stereo Personal Receivers

24.95

- **Adjustable Arm Band for "Hands-Free" Listening**
- **With In-Ear Stereo Phones**

(1) Arm Band Stereo. Water and weather-resistant so it's ideal for working out, jogging, gardening, or any other activity, indoors or out. Just strap it to your arm and go! The stereo earphones are so comfortable you won't even know you're wearing them. Rotary volume and tuning controls. Built-in FM AFC for drift-free reception. Includes carry case. $3^5/_{16} \times 1^3/_4 \times 3/_4$". Requires "AAA" battery. **12-139** **24.95**

Just Plug in Headphones To Turn It On **17.95**

(2) Belt Clip Stereo. Compact AM/FM receiver is sealed with neoprene gaskets to shrug off sand, water and dust. Rotary tuning and volume controls. $3^1/_2 \times 2^1/_8 \times 1$". Requires "AA" battery and 1/8" headphones. **12-142** **17.95**

It Likes To Play In the Rain NEW FOR '90

Available Oct. 15, 1989

Digital Tuning! Our Finest Personal Stereo Receiver

49.95

- **Precisely Locks In All Stations**
- **10-Station Memory**
- **Up/Down Scanning**

Digital-synthesized system stores your favorite stations for instant recall at the touch of a button. Has LCD "moving slide-rule" frequency display, stereo/mono switch for best reception, and a balance control. 1/8" headphone jack and removable belt clip. Only $4^1/_2 \times 2^1/_2 \times 3/_4$". Requires 2 "AAA" batteries and headphones. **12-137** **49.95**

Personal AM/FM Stereo Receivers

(1) With 3-Band Equalizer. Use the built-in EQ to customize the sound to your liking. Built-in FM-AFC locks in stations. FM stereo LED indicator. Convenient belt clip. $4^1/_4 \times 2^3/_8 \times 5/_8$". Requires 2 "AAA" batteries and 1/8" headphones. **12-136** **31.95**

(2) Super-Thin. Fits right in your shirt pocket. Features removable belt clip, built-in FM-AFC for drift-free reception, LED stereo indicator, stereo/mono switch for best reception from all stations. $4^1/_8 \times 2^1/_4 \times 9/_{16}$". Requires 2 "AAA" batteries and 1/8" headphones. **12-135** **24.95**

(3) With Built-In Speaker. Share the music with a friend! Listen to stereo through headphones or monaural through the speaker. Built-in FM-AFC, LED stereo indicator, $1^1/_2$" speaker. $4^1/_4 \times 2^1/_2 \times 3/_4$". Requires 2 "AAA" batteries (and 1/8" headphones for stereo). **12-132** **19.95**

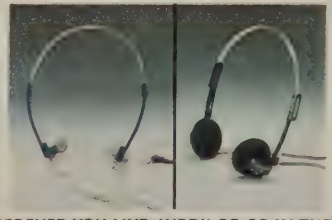
AM/FM Receiver

Personal stereo entertainment system with built-in FM-AFC, left/right slide-action volume/balance controls, rotary tuning control, LED FM stereo indicator. Includes lightweight stereo headphones. Ultrathin—just $4 \times 2^1/_2 \times 1/_2$". Requires 2 "AAA" batteries. **12-123** **19.95**

Headband Stereo

24.95

SPORTS MATE™. Sports fans, this one's for you! It's weatherized, with a headband and an armband so you can wear it anywhere. Built-in FM-AFC, stereo/mono switch. $3^3/_8 \times 1^3/_4 \times 3/_4$". Requires "AAA" battery. **12-138** **24.95**



Stereo Headphones

Low As 5.95

We give you a choice! Add the lightweight headphones you like to your personal stereo receiver. **See page 37.**

Big Values in Personal Radios and Stereo Headsets

SPORTS MATE AM/FM Radio/Lantern

24.95

- **Emergency Blinker**
- **Built-In 2½" Speaker**

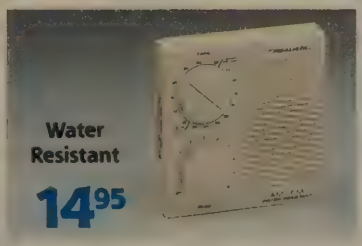
t's a radio and flashlight built into one! Sturdy construction means it's great or camping or other outdoor activities. Big 3¾" lens throws a powerful eam, and there's an amber blinker built into the handle so you're ready for mergencies. Built-in FM-AFC, rotary volume and tuning controls, sepa- ate flashlight and blinker switches. Telescoping antenna. 6¼ × 5 × 10½". equires 4 "D" batteries. **12-205** **24.95**

Waterbuddy™ Floating Radio

21.95

ake your favorite AM/FM adio stations into the pool r shower! Built-in FM- FC, rotary tuning and on/ ff/volume controls, arrying strap. 8" diameter. equires 4 "AA" batteries. **2-204** **21.95**

AM/FM Wall Radio



14.95

Really hangs in there—njoy it poolside or on patio. 2¼" speaker, rotary tuning nd volume controls. 5 × 5¼ × 1¾". With wall nount. Requires 4 "AA" atteries. **12-784** . . **14.95**

Comfortable STEREO-MATE Headset Radios

(1) Fold-Up FM Stereo. Incredible dual-speaker sound! Folding headset weighs just slightly over two ounces with batteries. Built-in FM-AFC, rotary volume and tuning controls. Adjustable headband with comfortable earcushions. Built-in antenna. External antenna included. Requires "AAA" battery. **12-144** **29.95**

(2) Budget AM/FM Stereo. Take your favorite radio stations wherever you go! Lightweight headset has slide-action volume control for customizing the full-range stereo sound. FM-AFC, rotary tuning control and AM/FM/FM stereo slide switch. FM antenna built into headband. Requires 2 "AAA" batteries. **12-145** **24.95**

(3) Micro AM/FM Stereo. Perfect for working out to your favorite music or just relaxing at home. Weighs about two ounces with batteries installed, yet delivers superior stereo sound. Built-in FM-AFC for drift-free reception, rotary volume and balance controls, adjustable headband. Requires "AAA" battery. **12-128** . . . **39.95**

(4) Deluxe AM/FM Stereo. Feathery light at approximately six ounces with batteries installed! Built-in FM-AFC for drift-free reception. Rotary tuning dial, volume and balance controls. Built-in AM and FM loop antennas. Foam-padded earcushions. Requires 2 "AAA" batteries. **12-125** **39.95**

Easy-to-Take AM/FM Stereo

29.95

Big Value In a Mini Size

)ual 3" speakers, LED stereo indicator, FM-AFC, ⅛" headphone jack. 4 × 0½ × 1¼". Requires 4 "AA" batteries. **12-722** **29.95**
dapters. **AC.** UL listed. **273-1454** . . . **7.95** **12VDC. 14-844** . . . **6.95**

Compact AM/FM Stereo On a Budget

24.95

Our Lowest Priced Stereo Portable

FM-AFC, LED stereo indicator, tone control, dual 2½" speakers, ⅛" headphone jack. Shoulder strap. 3⅞ × 11⁵⁄₁₆ × 1⅝". Requires 4 "AA" batteries. **12-723, 24.95**
AC Adapter. UL listed. **273-1454** **7.95**

SEE PAGE 49 FOR A COMPLETE SELECTION OF AC AND DC POWER ADAPTERS

Shop Radio Shack for Everything in Portable Radios

Police, Air, Shortwave, FM, AM

99.95
Low As $15 Per Month

Patrolman® SW-60. Tunes VHF-Hi, VHF-Lo, UHF, 6-18 MHz shortwave, FM and AM. Features all-band fine tuning, squelch control and AC-to-battery auto-switching. 4" speaker, 1/4" headphone jack. 10 1/2 × 12 × 4". UL listed AC (or 4 "C" batteries, extra). **12-779** **99.95**

High-Performance AM/FM Portable

39.95

Switchable FM-AFC

AFC can be switched "out" to receive weak stations adjacent to strong ones. Has 4" speaker, slide-rule tuning dial, tone control, folding carry handle. With earphone. 7 1/4 × 10 1/2 × 2 7/8". UL listed AC (or 4 "C" batteries, extra). **12-625** **39.95**

VHF/TV-Sound Portable With AM/FM

39.95

Plays on AC or Battery Power

PortaVision®-40. Hear your favorite TV shows on VHF-TV channels 2-13, plus FM or AM anywhere you go. Full-range 4" speaker plus earphone. 8 × 10 1/2 × 2 5/8". UL listed AC (or 4 "C" batteries, extra). **12-648** **39.95**

Budget-Priced Full-Size AM/FM

24.95

Excellent Sound Quality

Features high/low tone switch, FM-AFC to prevent drift, and rich-sounding 3" speaker. Earphone included. Telescoping antenna. 7 3/16 × 8 7/8 × 2 1/2". UL listed AC (or 4 "C" batteries, extra). **12-716** **24.95**

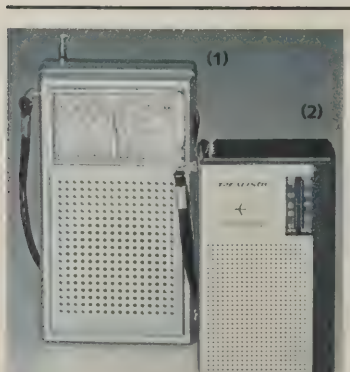
AM/FM All-Weather

19.95

Water and Sand Resistant

Really tough! Reliable integrated circuit, rotary tuning and volume controls. Built-in AM/FM antennas—no "whip" to break. 3 3/4 × 5 1/4 × 1 1/2". Requires 4 "AA" batteries. **12-783** **19.95**

The Best in Pocket Portables



TV-Sound/AM/FM

(1) Pocket PortaVision. Tunes VHF TV channels 2-13—listen to TV anywhere. 2 1/4" speaker. Earphone. 6 × 3 1/2 × 1 3/4". Requires 9V battery or AC adapter. **12-613** **29.95**

AC Adapter. UL listed. **273-1455** **7.95**

AM/VHF-Air Radio

(2) Jetstream®. Hear pilots talk to control towers, other planes on the 108-135 MHz band. Also tunes AM. 2 1/2" speaker. With earphone. 4 3/4 × 2 7/8 × 1 5/8". Requires 9V battery. **12-601** **19.95**

AM/FM Slimline

(1) The entire circuit is on a single "chip" for small size and high reliability. AFC-FM, slide-rule dial, 2 1/4" speaker, telescoping antenna. Earphone. 5 5/16 × 2 15/16 × 1 1/4". Requires 9V battery. **12-718** . . **15.95**

Best Pocket AM/FM

(2) Stylish aluminum trim. Built-in AFC-FM, high/low tone switch, rotary tuning and volume controls, 2 1/4" speaker, telescoping antenna. With earphone. 5 1/4 × 3 × 1 1/2". Requires 9V battery. **12-719** . . **19.95**

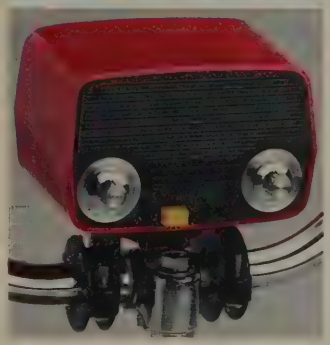
USE DEPENDABLE RADIO SHACK ENERCELL® BATTERIES FOR BEST RESULTS

Hey Kids! Have Fun With These Personal Radios

AM/FM Bike Radio With Electronic Horn

24.95

- **Built-In 3" Safety Reflector**
- **Doubles As a Portable**



Archer Road Patrol®. Mounts on most handlebars, yet the radio removes easily for portable use or safekeeping—bracket stays on bike. Has 2½" speaker in a weatherized case. 3½ × 3¼ × 3⅞". Requires 3 "C" batteries. **12-200** **24.95**

Children's Sing-Along Phonograph

34.95

- **Plays 33⅓ And 45-RPM Records**
- **"Strawberry" Hand Microphone**

Kids can use the mike to accompany their recordings. Monaural phono has built-in speaker, volume control and folding case. 3¼ × 11 × 9". UL listed AC. **13-1123** **34.95**

The Famous Mickey Mouse© Radio

8.95

- **Kids Love to Take Him Along**
- **Wrist Strap** ■ **Built-In Antennas**

Rotate Mickey's "ears" to tune AM stations and adjust volume. Includes handy carry strap and belt clip. Requires 9V battery. **12-909** **8.95**

©Walt Disney Company

Try One of These Delicious Flavoradios®

6.95 Each

- **Three Flavors**
- **Sturdy Molded Cases**
- **Handy Carrying Straps**

Each requires 9V battery

Kids love these pocket AM radios. Side-mounted rotary volume and tuning controls are easy to use. Built-in speaker, earphone. 4⅛ × 2⅝ × 1¼". **Blackberry, 12-201. Blueberry, 12-202. Strawberry, 12-203** ..... **Each 6.95**

Mickey's Armchair Radio

12.95

- **Musical Mickey Mouse**
- **Hidden Tuning Controls**

Unique musical armchair kids are sure to adore. Tune AM stations and adjust volume with controls under the chair. 5" high. Requires 9V battery. **12-910** **12.95**

©Walt Disney Company

Mini Personal Portable Receiver

9.95 Includes Headphones

- **Great for Pre-Teens**
- **Choice of Yellow or Black**

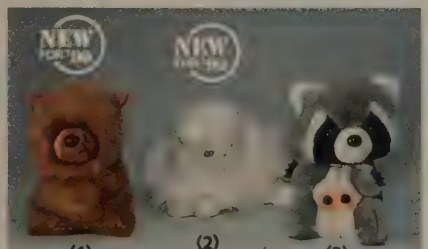
AM receiver fits in shirt pocket or clips to belt. Side-mounted rotary tuning and volume control. Headphones. Requires 9V battery. **12-106** **9.95**

Lovable "Pet" Radios

Low As **15.95**

Cuddly "Friends" With Built-In Radios

Each requires 9V battery



(1) (2) (3)

(1) **AM/FM Chow Dog.** Huggable companion. 10" long. **12-996** **21.95**
(2) **AM/FM Fluffy Cat.** "Purrfect" pet. 10" tall. **12-995** **21.95**
(3) **AM Raccoon.** Delightful playmate. 10" long. **12-971** **15.95**

2-Band AM/FM Flavoradios

11.95 Each

- **Stylish Design**
- **Built-In AFC-FM**

Each requires 9V battery

These dual-band Flavoradios double listening pleasure with both AM and static-free FM. Feature 2¼" speaker, telescoping antenna. 4 × 3 × 1 7/16". With earphone. **Strawberry, 12-720. Blueberry, 12-721** ..... **Each 11.95**

Wake Up to Our Chronomatic® AM/FM Clock Radios

Chronomatic **The Brand That Gives You Top Features, Reliability and Better Quality for Less**

You can count on Chronomatic for long-lasting reliability. There's no skimping on circuitry. Each model is designed with a full circuit for higher sensitivity and sharper tuning selectivity.

You get more stations, more clearly—especially important for receiving distant signals. Full circuitry also ensures that every Chronomatic electronic clock displays accurate time.

Ultramodern Styling and 0.9" LED Display

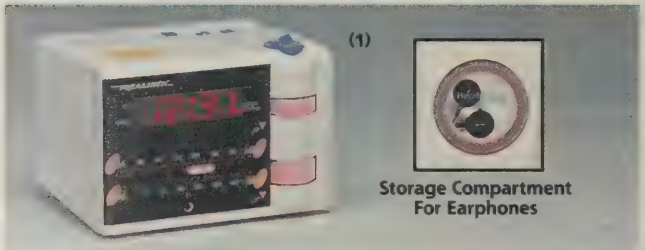
NEW FOR '90

27.95

- Up-Front Alarm and Time-Set Buttons
- Sleep
- Snooze

Chronomatic-263. Features sleek, wedge-shaped design and a big, easy-to-read display with hi/lo dimmer switch. Easy-to-reach top-mounted snooze bar. Sleep control lets you drift off to your favorite station. Wakes you to radio or alarm. 2½" speaker. 4½ × 8¼ × 4". UL listed AC. **12-1573** **27.95**

Latest Style, Accuracy and Convenience at Value-Packed Prices



(1)

Storage Compartment For Earphones

Colorful Waker-Upper With LED Display

29.95

- Easy-Set Hour and Minute Buttons
- Sleep and Snooze Controls

(1) Rise 'N Shine®. Definitely different—pastel accents add a colorful designer touch to any youngster's room. Features easy-to-reach radio on/off, auto-alarm and time-set controls. Has 1-hour/59-minute sleep mode, 0.6 LED display, AM/FM band selector, 3" speaker, plus earphones for personal or late-night listening. 4½ × 6¼ × 4¼". UL listed AC. **12-1569** **29.95**

(2)

(3)

(4)

Fluorescent Display With "Beep" Alarm

27.95

"Beep" Alarm Has Its Own Adjustable Volume Control

(2) Chronomatic-253. Wake to alarm or radio. Handy on-top controls for alarm "on," hour and minute setting, FM/AM band selector, volume, snooze and 1-hour/59-minute sleep mode. Display brightness control. Time-set prevents accidental resetting. Has 3" speaker, 0.6" display, a.m. indicator. Handsome beveled-front woodgrain cabinet. 2⅝ × 10 × 6⅛". UL listed AC. **12-1561** **27.95**

High Style, High Value and Low Price

24.95

Wake to FM, AM, or "Beep" Alarm With Adjustable Volume

(3) Chronomatic-252. On-top controls for hour and minute setting, volume, snooze and 1-hour/59-minute sleep mode. 0.6" LED time display, a.m. indicator, 3" speaker. Woodgrain cabinet with beveled front. 2⅝ × 10 × 6⅛". UL listed AC. **12-1560** **24.95**

Dependable Quality On-a-Budget

19.95

Compact Size And "Beep" Alarm

(4) Chronomatic-261. Top-mounted controls for hour/minute setting, snooze control, 59-minute sleep mode. Easy-to-read 0.6" LED time display, LED alarm "on" indicator and a 2¼" speaker. 1⅞ × 7 1/16 × 4 5/16". UL listed AC. **12-1568** **19.95**

PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS

All With Battery Backup and Battery Sentinel®LED

Battery Backup During AC Failure

If AC power fails, backup system keeps clock running up to eight hours, without display, and operates alarm at the time you've set.

Exclusive Battery Sentinel System

A special circuit automatically tests the backup battery daily. Front-panel Sentinel LED lights up to warn you if battery is weak or not in place.

Clock Radios With Dual Alarms for Two Separate Wake-Up Times

Easy-to-See Fluorescent Display

FM, AM and "Beep" Alarm
Snooze Control for Extra Sleep

47.95

) **Chronomatic-260.** Combines dramatic styling and 0.6" fluorescent display. Easy-to-reach up-front controls. Fast/slow and forward/reverse buttons, sleep ontrol. Hi/lo display dimmer control and LED "on" dicators for each alarm. Lighted dial pointer, 3½" peaker, ⅛" earphone jack. 3⅜ × 10⅝ × 6 11/16". UL ted AC. **12-1567** **47.95**

Big Display With Hi/Lo Dimmer

LED Indicators for Each Alarm
Snooze Control for Extra Sleep

44.95

) **Chronomatic-259.** Large 0.9" LED clock display is asy to read from across the room. Fast/slow and rward/reverse setting controls. Sleep control for lisning up to 59 minutes before radio shuts off autoatically. Lighted dial pointer. 3½" speaker, ⅛" arphone jack. 3⅜ × 10⅝ × 6 11/16". UL listed AC. 2-1566 ..... **44.95**

Sleek Look, Fluorescent Display

ast/Slow and Forward/Reverse Controls for Easy Setting

39.95

) **Chronomatic-258.** Bright 0.6" easy-to-read disay with hi/lo dimmer control. LED "on" indicator for ach alarm. Sleep control plays up to 59 minutes of usic, then shuts off. Snooze control for extra sleep ne. Lighted dial pointer, 3" speaker, ⅛" earphone ck. 2 9/16 × 9 7/16 × 5 11/16". UL listed AC. 2-1565 ..... **39.95**

Dual Alarm With Hi/Lo Dimmer

LED Indicator for Each Alarm
Easy-to-Read Lighted Dial

37.95

) **Chronomatic-257.** Most-wanted features include 6" LED clock display, 59-minute sleep control, fast/ow and forward/reverse buttons for easy setting. sy-to-reach, on-top snooze button for a few mines of extra rest with each tap. Has 3" speaker, ⅛" rphone jack. 2½ × 9 × 5⅝". UL listed AC. 2-1564 ..... **37.95**

USE OUR ENERCELL® EXTRA-LIFE 9V BATTERY #23-583 (NOT INCLUDED) FOR BEST BATTERY BACKUP/SENTINEL OPERATION

AM/FM Clock Radios With Extra-Special Features

Dual-Alarm Stereo Clock Radio With Cassette Recorder

79.95

- Record From Radio or Mikes
- Built-In 3" Stereo Speakers

Realistic Chronosette®-256. Three ways to start your day. Dual alarm times let working couples wake separately to radio, beep alarm or even stereo tapes. Cassette features end-of-tape auto-stop and two built-in mikes. Clock radio has fast/slow forward/reverse time set controls and big 0.6" fluorescent time display. Snooze button, sleep switch, 1/8" stereo headphone jack. Exclusive Battery Backup/Battery Sentinel® keeps you on time if AC fails. 4 3/8 × 13 3/4 × 6 5/16". UL listed AC. **12-1563** **79.95**

Convenient Space Saver! Under-Cabinet Clock Radio

49.95

Its a Radio, a Clock and an Appliance Timer All in One

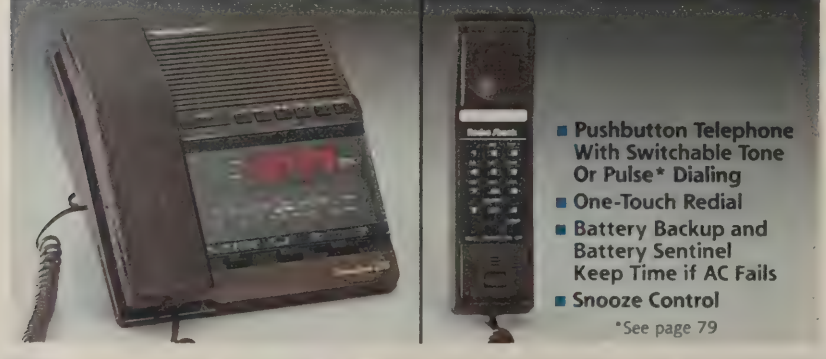
Realistic KitchenMate™-101. Programmable 3-way timed outlet with fast/slow forward/reverse time setting and 59-minute countdown timer. Outlet rated 450 watts for TVs or lamps and 1440 watts for other appliances. Clock has easy-to-read 0.6" LED display and radio has FM-AFC to lock in FM stations. Battery Backup/Battery Sentinel keeps time if AC fails. With mounting hardware. 2 7/8 × 12 × 6 7/16". UL listed AC. **12-1570** **49.95**

Dual-Alarm Stereo Clock Radio

49.95

- On-Top 3" Stereo Speakers
- Stereo Headphone Jack
- FM Stereo LED

Chronomatic®-251. Start the day with your choice of FM stereo, AM or "beep" alarm. With dual alarms for setting different wakeup times, fast/slow forward/reverse time-set controls, on-top volume controls, easy-to-read 0.6" red LED display and separate alarm-on indicators. Features 59 minute sleep control, snooze, 1/8" stereo headphone jack and terminals for adding an external FM antenna. Battery Backup/Battery Sentinel keeps you on time. 2 5/8 × 10 7/8 × 3 1/2". UL listed AC. **12-1559** **49.95**



- Pushbutton Telephone With Switchable Tone Or Pulse* Dialing
- One-Touch Redial
- Battery Backup and Battery Sentinel Keep Time if AC Fails
- Snooze Control

*See page 79

Versatile Clock Radio With Built-In Pushbutton Telephone

49.95

Perfect for Nightstand Or Bookcase Headboard

Chronofone®-255. Combines a full-featured digital clock radio with a telephone that works on any phone line. Radio mutes automatically when phone is used or can be set to continue playing. Wake to your choice of FM, AM or buzzer. Big 0.6" LED time display with hi/lo dimmer, 1/8" earphone jack for late-night listening, one-hour/59-minute sleep control for going to sleep with music playing. 3 1/2 × 7 15/16 × 8", with phone on cradle. UL listed. Telephone is FCC registered. **12-1562** **49.95**

USE OUR ENERCELL® EXTRA-LIFE 9V BATTERY #23-583 (NOT INCLUDED) FOR BEST BATTERY BACKUP/BATTERY SENTINEL OPERATION

Put Instant Weather Updates at Your Fingertips

REALISTIC
WEATHERADIO® RECEIVERS KEEP YOU INFORMED

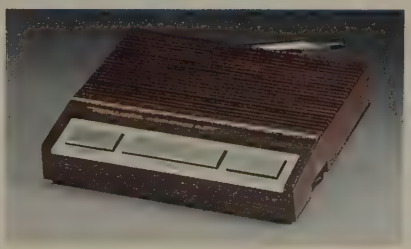
Introduced in 1968 by Radio Shack, the Weatheradio receiver is your "hotline" to the National Weather Service. It monitors local forecasts, storm warnings and traveler's advisories broadcast, usually 24 hours a day, on special commercial-free VHF stations in over 365 cities. All our radios (except #12-181) are crystal-controlled for drift-free reception and have up to 50-mile receiving range. These time-tested receivers have offered peace of mind to *more than a million satisfied customers!*

Weather and Time Receiver

Receives Time Signals From National Bureau of Standards **39.95**

Weatheradio/Timekube®. The world's most accurate time signals from WWV on 5/10/15 MHz, plus weather. Walnut vinyl. 1 5/16 × 6 1/8 × 4 11/16". Requires 9V battery. **12-148** **39.95**

Desk Weatheradio Alert



Get Advance Warning of Storms in Your Area **39.95**

Alarm sounds at signal from weather station. Battery backup. 1 3/8 × 5 1/4 × 6". UL listed AC. Backup requires 9V battery. **12-140** . . . **39.95**

Pocket Weatheradio Alert

29.95

NEW FOR '90

Compact radio gives you advance warning of storms almost anywhere you travel. Signal from weather station activates alarm when dangerous weather approaches. 5 1/4 × 2 11/16 × 7/8". Requires 3 "AA" batteries.
12-143 . . . . . **29.95**

Stylish Weatheradio Cube

17.95

The Original!

Pre-Set Controls

Only Three Inches Square

Tap Play-bar for weather stations up to 25 miles away, tap again to turn off. Under-set volume, tuning controls. Telescoping antenna. Simulated rosewood. Requires 9V battery. **12-181** . . **17.95**

Desktop Weather Receiver

Low-Profile Design With Walnut Vinyl finish **24.95**

Tap the Play-bar for weather information. Requires 9V battery or AC adapter. 1 1/2 × 5 1/4 × 3 1/2". **12-141** **24.95**
AC Adapter. UL listed. **273-1431** **6.95**

Pocket Weatheradio Receiver

21.95

Great for Travelers And Campers

A high-performance radio that's small enough to go with you anywhere—only 1" thin! Built-in telescoping antenna. Comes with handy wrist strap. 4 1/4 × 2 3/4 × 1". Requires 9V battery.
12-151 . . . . . **21.95**

Handsome, Affordable AM/FM Table Radios Look Great in Any Room

39.95

No Speaker—Accepts Any Headphone With ¼" Plug

Realistic MTA-14 Institutional AM/FM Radio. For personal listening in hospitals, nursing homes and institutions. Tone control, lighted dial, tamperproof enclosure. Walnut vinyl. 6 × 6 1/4 × 4 3/4". UL Listed AC.
12-691 . . . . . **39.95**

39.95

Acoustically Sealed 5" Speaker Delivers Room-Filling Sound

Realistic MTA-12 AM/FM Tabletop Radio. Looks great, sounds great. Features rotary volume and tone controls, easy-to-read illuminated slide-rule dial, built-in antennas and terminals for an external FM antenna. Walnut vinyl finish. 7 1/4 × 12 1/4 × 4 3/8". UL listed AC. **12-693** **39.95**

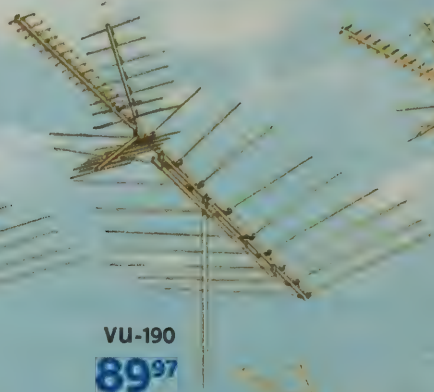
America's Finest Values in Television Antennas

ARCHER® HIGH-DEFINITION/STEREO-CERTIFIED

COLOR SUPREME™ Plus

THREE ANTENNAS IN ONE! VHF ■ UHF ■ FM

VU-210
119.97



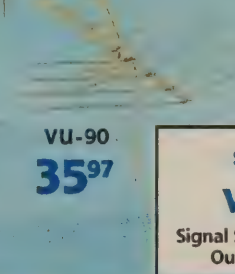
VU-190
89.97

VU-160
69.97

VU-75
26.97

VU-120
56.97

VU-110
43.97

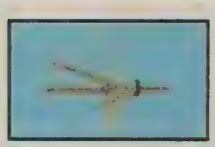


VU-90
35.97

$3.99 Value

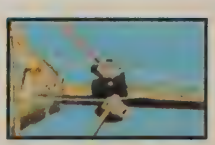
Signal Splitter Included! Separates VHF-UHF-FM Outputs—Only One Downlead Required!

High Tensile-Strength Aluminum for Long Life



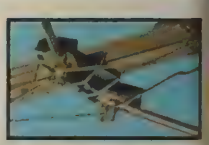
UHF Yagi and Corner Reflector Combination

Strong Square Boom With "No-Tilt" Clamp



Snap-Open Elements For Easy Installation

Air-Insulated Multiple Drive System



Heavy-Duty, Hi-Impact Molded Insulators

- 60° "Swept-Design" VHF Elements Aid Signal Pickup/Transfer
- Gold-Alodized Finish Fights Corrosion and Weathering
- Built to Withstand Strong Winds and Icing Conditions
- Fully Preassembled—Easy to Install Yourself and Save

Replace your worn-out antenna with one of our exclusive High-Definition/Stereo-Certified Color Supreme Plus antennas. High-Definition means you get performance that matches the improved picture resolution of the newer TVs now available. Stereo-Certified means you get the best possible sound from the hundreds of TV stations now broadcasting in stereo and the many more to come. You'll also get superior FM stereo reception. Wide-swept elements capture maximum signal (channels 2-83) in any reception area.

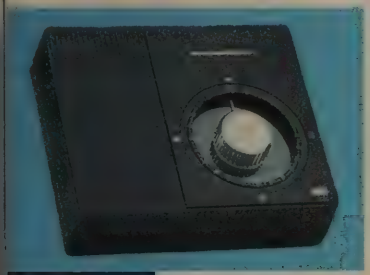
There's a Color Supreme Plus Just Right For Your TV and FM Reception Area

Archer Model	Range in Miles*			Boom Length	No. of Elements	Cat. No.
	VHF	UHF	FM			
VU-210	210	135	120	190"	56	15-1647
VU-190	190	120	100	160"	48	15-1646
VU-160	160	100	100	140"	40	15-1645
VU-120	120	90	90	120"	35	15-1644
VU-110	110	90	90	100"	30	15-1643
VU-90	90	70	70	80"	25	15-1642
VU-75	75	50	50	50"	17	15-1641

*ESTIMATED RANGES, BASED ON RECEPTION OVER FLAT AND OPEN TERRAIN / MASTS NOT INCLUDED

Rotator and Specialty Antennas for Superb TV/FM

Aim Your Antenna for the Best TV/FM Reception



59.95 **Maximizes TV/FM Signal Strength**

Archerotor®. Remote control system precisely aims your antenna for the strongest, clearest signal from every station within range. Cuts ghosts and interference. Indicator on remote shows antenna direction. Fits 1¼ to 1¾" dia. masts. UL listed AC. Requires 3-conductor cable below.
15-1225 . . . . . **59.95**

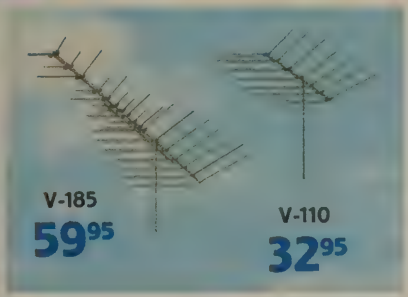
Rugged Weathersealed Housing for Extra-Long Life

Rotator Cable

No. of Cond.	Feet	Cat. No.	Per Roll
3	50	15-1149	5.49
3	100	15-1150	8.95
5	100	15-1201	13.39

Crafted to Deliver the Finest VHF-TV and FM Reception

Tuned for VHF-TV and FM only, these antennas offer outstanding reception and value! Air-insulated, multiple-drive system and 60° "Swept-Wing" design improve signal pickup. Preassembled with snap-open elements for easy installation. Rustproof terminals.



Archer Model	Range in Miles* VHF	Range in Miles* FM	Boom Length	No. of Elements	Cat. No.
V-185	185	110	160"	34	15-1654
V-110	110	80	80"	14	15-1652

Especially Engineered for UHF-TV

Gold-Alodized Protective Finish

-120 Corner Yagi—Up to 120 Miles*. Has 33 elements, 00" square boom. 60° "Swept-Wing" reflectors focus gnal. **15-1662** **34.95**

-100 Corner Yagi—Up to 100 Miles*. Has 25 elements, 0" boom. "Swept-Wing" design. **15-1661** **23.95**

-75 Corner Yagi—Up to 75 Miles*. Has 16 elements and a 0" boom. "Swept-Wing" design. **15-1660** **16.95**

ulti-Bay—Up to 70 Miles*. Boom is 30" long. Preassem-led. **15-1627** **11.95**

Compact Amplified TV/FM Antenna

54.95

Compact! Ideal for Attic, RV, Van or Even Rooftop

Get Crystal Clear TV Even in Difficult Reception Areas

Built-in preamp helps clean up weak signals and snow by boosting UHF gain up to 25 dB and VHF up to 20 dB. With VHF/UHF signal splitter. UL listed AC (or DC adapter, extra). **15-1611** **54.95**
DC Adapter. 270-1534 . . . . . **5.49**

Archer Antennas For the Best in FM And FM Stereo

Triple-Drive 6-Element Directional—Up to 110 Miles*. High gain picks up distant stations clearly. Preassembled for easy installation. **15-1636** **16.95**

Omnidirectional Outdoor—Up to 50 Miles*. Circular 360° pickup pattern. Preassembled. **15-1639** . . **11.95**

Aerodynamic-Style Mobile VHF/UHF Antenna

49.95

- **Paintable to Match Your Vehicle**
- **Car Wash Safe**

leek and aerodynamic, it's the ultimate mobile TV antenna. Mounts magnetically or ermanently on roof or rear deck. With 14-ft. coax cable, 300-ohm matching ansformer. **15-1608** **49.95**

Mobile VHF/UHF Antenna

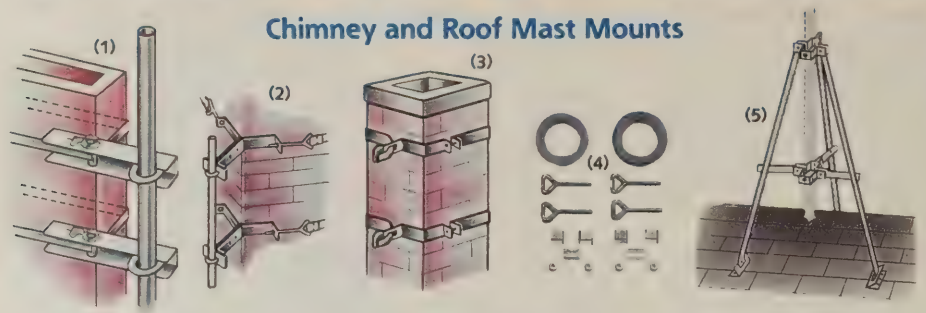
29.95 **Includes Window-Mounting Bracket**

Enjoy your favorite TV shows while traveling. Heavy-duty, loaded fiber glass dipoles outperform built-in TV antennas. For channels 2-83. With gutter mount, instructions and all mounting hardware. Easy to install it youself.
15-1609 . . . . . **29.95**

*ESTIMATED RANGES, BASED ON RECEPTION OVER FLAT AND OPEN TERRAIN / MASTS NOT INCLUDED

We Have Everything for Your Antenna Installation

Chimney and Roof Mast Mounts



(1) Chimney Ratchet Mount. Two stainless steel straps, each 3/4" x 18 foot. For all masts with 1" to 1 3/4" diameter. **15-839** **15.95**

(2) Corner Mounts. Two Y-mounts with 5/8" x 10-foot, rust-resistant galvanized strips. **15-527** .. **10.95**

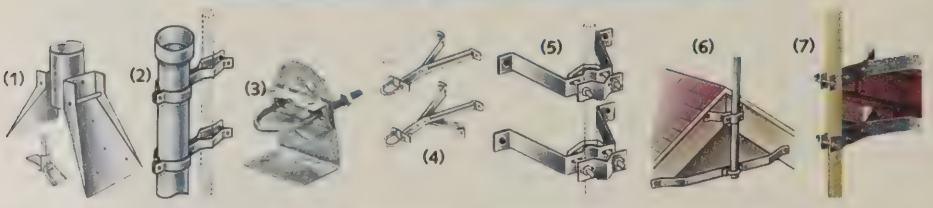
(3) Chimney "Z" Mounts. Secures mast to chimney. Set of two, each with 5/8" x 10-foot galvanized steel strap. **15-476** **9.95**

(4) Strap Kit. Two 25-foot stainless steel straps for replacement or add-on. **15-801** **12.95**

(5) 3-Foot Tripod Mount. Ideal for areas having frequent, strong winds. Fits slope of most roofs. Preassembled. Accepts mast up to 1 3/4" dia. **15-516** **15.95**

5-Foot Heavy-Duty Tripod Mount. 15-517 ..... **24.95**

Mast Mounts for Roof, Vent Pipe and Wall



(1) Base and Roof Mount. Mast locks into exclusive-design U-bolt. Swivel base will accommodate the slope of virtually any roof. Heavy-gauge steel construction. With instructions. **15-889** **6.19**

(2) Vent Pipe Mount. An alternative to chimney mounting. Attach brackets to vent pipe, then clamp mast into place. Attaches to 2" to 5" vents. Heavy-duty steel construction. **15-893** **5.95**

(3) Mast Anchor Universal Mount. For up to 1 1/2" diameter masts. The solution for countless antenna installations. Must be guyed for roof/window mounts. **15-888** ... **2.79**

(4) 12" Wall Mounts. Secures masts up to 1 1/2" diameter. Holds mast 12" out from wall to clear eave. **15-885** ..... **Pair 10.95**

(5) 4" Wall Mounts. Secures TV mast 4" out from side of house. **15-883** ..... **Pair 4.49**

(6) Eave Mount for Hanging Rafters or Trim Boards. Install your antenna without drilling through brick or masonry. Ingenious alternative to roof and chimney mounting. For masts of up to 1 1/2" diameter. **15-891** **9.95**

(7) 8" Wall Mounts. Designed to hold TV or FM antenna masts of up to 2 1/2" diameter eight inches out from wall. Galvanized steel resists rust for years. **15-886** .. **Pair 9.95**

Guy Wire and Hardware

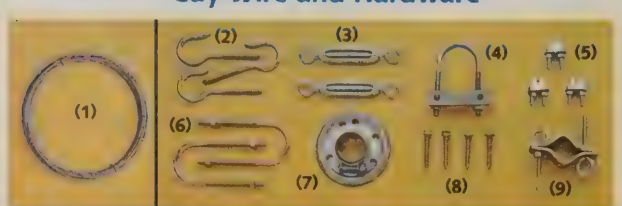


Fig	Description	Cat No	Each
1	50-Foot Galvanized Wire	15-030	1.59
1	100-Foot Galvanized Wire	15-031	2.69
1	40-Foot Plastic-Coated Steel Guy Wire	15-037	2.79
2	3 Guy Wire Anchors	15-825	.99
3	2 Guy Wire Turnbuckles 6" Open, 4" Closed	15-829	1.59

Fig	Description	Cat No	Each
4	U-Bolt and Clamp	15-826	1.19
5	3 Guy Wire Clamps	15-850	1.19
6	2 U-Bolts With Nuts	15-830	.99
7	1 1/4" Guy Ring and Collar	15-835	1.49
8	Set of 4 Hex Lag Bolts 1/4 x 2 1/2" for Heavy-Duty Mounting	15-833	.89
9	Guy Wire Mast Clamp With Bolts	15-827	.99

Standoff Insulators

Fig	Description	Cat No	Each
1	4 3 1/2" Wood Screw	15-853	.89
1	4 6 1/2" Wood Screw	15-854	1.09
2	2 Masonry Type	15-820	1.19
3	2 Nail-In Type	15-821	.99
4	2 Snap-Grip Type	15-822	.89
5	2 Strap-On Type	15-823	.99

Heavy-Duty Masts

16-Gauge Steel With Golden Enamel Finish

Swagged end for tight lock on tubing to be joined. 1 1/4" diameter.

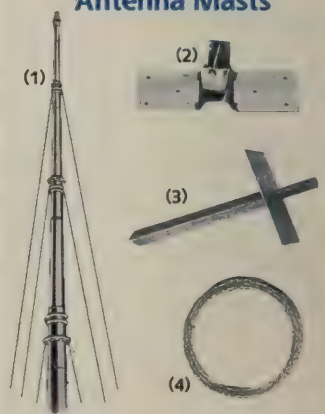
5-Foot Mast. 15-842 ..... **5.29**

10-Foot Mast. 15-843 ..... **10.49**

Light-Duty Mast

5-Foot. 20-gauge steel with golden enamel finish to resist corrosion. For attic or smaller antennas. **15-844** **4.69**

Telescoping Antenna Masts



- **Helps Your Antenna Pull In Out-of-Town Stations**
- **16 and 18-Gauge Hot Dipped Galvanized Steel Construction**

(1) Raises your antenna for stronger TV and FM reception. Sturdy sections interlock—won't pull out, twist or shake. Clamp and guy ring provide firm support. Hot-dipped galvanized steel construction resists corrosion. Preassembled for easier do-it-yourself installation.

19-Foot Mast. One 16-gauge, one 18-gauge section. **15-5065** **33.95**

36-Foot Mast. One 16-gauge, three 18-gauge sections. **15-5067** **54.95**

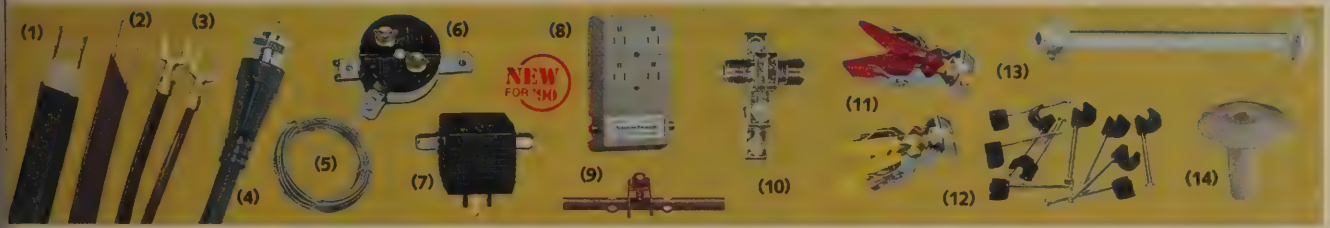
Base and Mount

(2) Roof Base. Holding bolt slips through hole in universal mast base. **15-5068** **6.99**

(3) Ground Mount. "Tap-in" type for up to 36-foot masts. **15-5069** **9.95**

(4) Guy Wire. Six-strand, 18-gauge. 100 feet. Galvanized steel. **15-5070** **6.99**

Archer® Antenna Accessories Boost TV Reception



(1) VHF/UHF 300-Ohm Foam Cable. Our best! Excellent for all "problem" reception areas. Has 20-gauge copper, dense polyethylene jacket.
50-Foot. 15-1174 . . . . . **5.29**
100-Foot. 15-1175 . . . . . **9.49**

(2) Low-Cost VHF-UHF Twin-Lead. For indoor use.
40-Foot. Brown Twin Lead. 15-004 . . . . . **2.29**
40-Foot. Clear Twin Lead. 15-1158 . . . . . **2.29**
50-Foot. Standard Twin-Lead. Seven-strand, 22 gauge. For indoor or attic use. **15-1153** **3.59**

(3) 8-Foot Twin-Lead Cable. 15-1532 . . . . . **2.29**

(4) Shielded VHF-UHF Foam Coax Assemblies. Low-loss, interference-rejecting shielding. Use with 75/300-ohm matching transformers.
50-Foot. 15-1526 . . . . . **9.29**
100-Foot. 15-1527 . . . . . **15.49**

(5) Aluminum Ground Wire. Protects against static build-up in rooftop antennas. 40 feet, 8-gauge. Use with ground rod (fig. 9 below). **15-035** **3.59**

(6) Antenna Discharge Unit. For TV and FM rooftop antennas. 300 ohms. UL listed. **15-910** **3.49**

(7) Coax Spike Protector. Protects TV/FM and video equipment against static build-up and voltage surges in 75-ohm coax cable. Plugs into grounded 3-prong AC outlet, uses ground lug. **15-908** . . **9.95**

(8) NEW! AC and Coax Spike Protector. Provides protection for up to four devices and 75-ohm antenna or cable-TV line. **61-2787** **29.95**

(9) Ground Rod. Provides low-resistance path to ground for static electricity that builds up. Copper-plated for conductivity. **15-530** **3.79**

(10) Grounding Block. Prevents static build-up in 75-ohm antenna downleads. **15-909** **2.39**

(11) TV/FM Antenna Clips. Instant, solderless connection and disconnection of 300-ohm downlead at back of set. **15-832** . . . . . **Set of 2/1.19**

(12) Ten Coax Nail Clips. A low-cost way to get a neat, professional installation. Insulated nails have weather-resistant clips to secure 75-ohm RG59 coaxial cable. Handy for fastening coax cable along baseboards. **20-192** . . . . . **89¢**

(13) "Wall-Thru" Lead-In Tube. For walls up to 13" thick. Special grommet seals out moisture and weather. **15-1200** **2.49**

(14) Coax Feed-Through Bushing. For a neat, professional-looking installation every time. Protects your cables.
RG59U. 278-1643 . . . . . **Pkg. 2/49¢**
RG6U. 278-1644 . . . . . **Pkg. 2/49¢**

TV/FM Wall Plates, Plugs, Power Cords, Connectors and More

(1) TV Power cord. Standard 6-foot AC cord. 18-gauge, 2-conductor. **15-011** **1.39**
Polarized Power Cord. 15-012 . . . . . **1.39**

(2) Private TV Listener. Remote volume control, earphone, 15-foot cord, 1/8" plug. **15-587** . . . **4.29**

(3) Wall Plate for 75-Ohm Coax. 15-1180 . . **4.49**

(4) Wall Plate for 75-Ohm Coax and 5-Wire Rotor. With Plugs, hardware. **15-1181** **4.95**

(5) NEW! Wall Plate for 75-Ohm Coax and Phone. Gold plated coax connector. **15-1185** **5.95**

(6) Baseboard Mount for 75-Ohm Coax. Includes mounting hardware. **15-1182** **2.99**

(7) Woodgrain Wall Plate for 75-Ohm Coax. Includes mounting hardware. **15-1183** **3.99**

(8) Wall Plate for Dual 75-Ohm Coax Cables. 15-1184 . . . . . **3.99**

(9) Flush-Mount TV Wall Plate. For one 300-ohm lead. With bracket, plugs. **15-1186** **2.19**
Surface-Mount. 15-1189 . . . . . **1.99**

(10) TV/Wall-Socket Plugs. 15-1178 . . . . **2/1.29**

(11) Surface-Mount Universal Socket With Mating Plug. 300 Ω. 7/8 × 1 3/4 × 9/16". **15-1192** **1.19**

(12) Polarized Connectors. 300 Ω. **15-1199, 1.19**

(13) Plug and Socket. 300 Ω. **15-1198** **1.19**

Switches for Your TV Video Games and Computer

(1) 300-Ohm TV Switch. Permits using video games/computers with your TV without reconnecting. For 300-ohm antenna line/TV input. **15-1255** **3.99**

(2) 300/75-Ohm Antenna Input Switch. Has 300-ohm TV output. For use with Coax and 300-ohm antenna-type systems. **15-1269** **3.99**

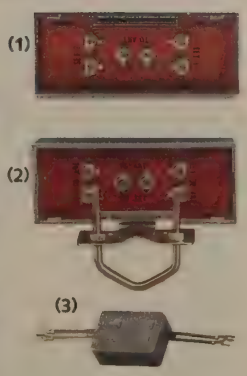
(3) 300/75-Ohm Signal Splitter Switch. Provides 300-ohm output for UHF, 75-ohm output for VHF. Built-in signal splitter, low signal loss. **15-1268** **5.95**

(4) NEW! Automatic TV/Game Switch. For 75-ohm antenna line/TV input. For use with Nintendo™ TV Game. **15-1267** **8.95**

TM Registered trademark of Nintendo Co., Ltd.

Splitters & Couplers

Add Sets or Combine Leads



(1) 2-Set Indoor Coupler. Drive two TV or FM sets from one antenna. 300 ohms. **15-1501** **2.49**

4-Set Indoor Coupler. 15-1502 . . . . . **2.95**

(2) 2-Set Indoor/Outdoor Coupler. Joins two antennas to one 300-ohm downlead. **15-1135** **3.99**

4-Set Indoor/Outdoor Coupler. Uses 300-ohm downlead. **15-1136** **4.99**

UHF/VHF Combiner/Splitter. 300 ohms. **15-1137** **3.99**

(3) Indoor Splitter. Splits UHF/VHF/FM outputs from one 300-ohm downlead. **15-1138** **3.99**

Problem-Solving Accessories for TV, VCR and FM

Four-Way Distribution Amp

31.95

Typical Gain
14 dB VHF, 13 dB UHF

Cuts VHF/UHF/FM signal loss caused by sharing signal among several TV sets or long antenna cable runs. Trap cuts FM interference. Input/output 75-ohm. Adjustable 10 dB to 20 dB gain. UL listed AC. **15-1107, 31.95**

TV/FM Hi-Gain Signal Amp

35.95

Typical Gain
25 dB VHF, 20 dB UHF

Outdoor amp mast-mounts for purest, strongest signal. Remotely controlled FM trap cuts interference. Adjustable 10 to 20 dB gain. 75-ohm output, F-connectors. UL listed AC.
15-1108 ..... **35.95**

Indoor FM Signal Booster

25.95

Switchable Gain of
0 dB, 10 dB or 20 dB

Dramatically improves FM reception. Accepts 75-ohm or 300-ohm input. Output: 75-ohm. Includes 36" cable with 75/300-ohm connectors, 6-foot AC power cord. UL listed.
15-1105 ..... **25.95**

TV/FM Filters, Attenuators and Coaxial FM Trap

(1) VCR/TV/FM. Cuts CB/Ham radio interference. High-pass LC (inductive capacitive) filter installs inline at 75-ohm coaxial input of VCR, TV or FM. 54-900 MHz. **15-579** **3.95**

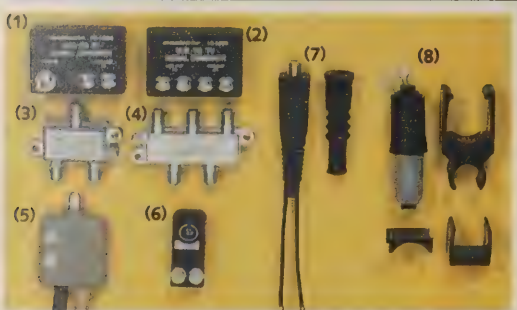
(2) Coaxial Inline FM Trap. For 75-ohm line. Cuts interference from strong FM radio stations on your TV or VCR to reduce "herringbone" pattern. **15-577** **3.39**

(3) 75-Ohm Attenuator. Reduces interference on your TV or VCR caused by excessive signal strength. Connects inline to coaxial cable. Adjustable attenuation for best possible picture. Range, 0 to 20 dB. **15-578** **5.95**

(4) 300-Ohm Attenuator. Reduces ghost images on your TV/VCR. Connects inline to antenna screws. **15-1114** **6.95**

(5) TV Static/Noise Filter. Reduces or eliminates appliance, motor or neon light interference. Attaches to 300-ohm terminals. **15-582** **1.99**

(6) TV/FM Noise Filter. Reduces CB/Ham radio interference. Attaches to 300-ohm terminals. **15-581** **5.95**



Splitters/Combiners and Matching Transformers

(1) VCR/TV Splitter/Combiner. Separate 300/75-ohm inputs, 75-ohm output. **15-1294** ... **3.49**

(2) 300-Ohm Splitter/Combiner. As above, but with 300-ohm inputs only. **15-1295** **3.49**

(3) Hybrid Splitter/Combiner. Splits 75-ohm coax cable to two VHF/UHF outputs. F-connectors. Reversible. **15-1141** **3.95**

(4) Four-Set Splitter. As above, but for four sets or sources. **15-1142** **6.95**

(5) Transformer/Splitter. 75-ohm input for coax from antenna or VCR. Three 300-ohm outputs to VHF, UHF, FM. Indoor use only. **15-1139** **4.99**

(6) Matching Transformer. 75-ohm to 300-ohm **15-1253** **2.99**

(7) Indoor/Outdoor Matching Transformer. Matches 300-ohm antenna to 75-ohm coax downlead. Reverse for back-of-set use. Weather-resistant boot. **15-1140** **2.79**

(8) Antenna-Mounted Matching Transformer. As above, with special clip for attaching to antenna boom. With weather-resistant boot. **15-1143** **3.99**

AC-Line Interference Filter

9.49

Three-Prong AC Plug and Socket

Reduces most annoying electrical appliance interference for a cleaner picture. Great for video and computer systems. Simple plug-in installation. Three-foot heavy-duty cord. Rated 2.5A. UL listed AC. **15-1111** **9.49**

RF Modulator for Computer or Video

26.95 **Use Standard TV As a Monitor**

Converts line-level signal to VHF for TV. 1000-ohm/75-ohm phono jacks for video/audio input, 75-ohm F-connector for output to TV. FCC registered. UL listed AC.
15-1273 ..... **26.95**

Coax Cable Connectors and Adapters

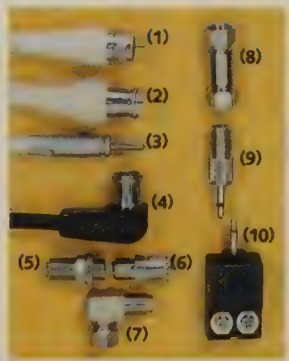
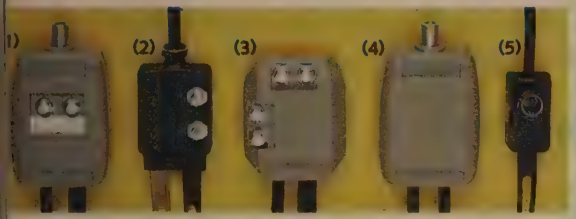
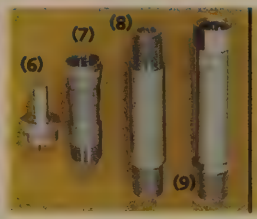
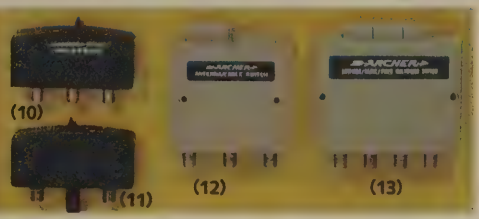


Fig	Description	Connectors	Cat. No.	Each
1	75-Ohm Coax, 16 Ft	Male F Screw Type	15-1531	4.89
	75-Ohm Coax, 25 Ft.	Male F Screw Type	15-1534	6.19
2	75-Ohm Coax, 4 Ft.	Male F Push-On	15-1529	2.79
	75-Ohm Coax, 8 Ft.	Male F Push-On	15-1530	3.59
3	75-Ohm Coax, 8 Ft	Male F/Motorola	15-1528	3.59
4	75-Ohm Coax, 6 Ft.	Male F Push-On	15-1536	2.99
5	F-81 Coupler	Female F	278-213	.99
6	Coupler	Female F/Male F	278-218	1.49
7	Right Angle Coupler	Female F/Male F	278-221	1.29
8	Coupler	Male F/Male F	278-219	1.29
9	Adapter	Female F/Miniplug	278-257	1.99
10	75/300 Ohm Adapter	1/8" Miniplug	15-1148	1.49

Better Reception Begins With Our Archer® Hookups







) **VCR/TV Signal Splitter.** One 75-ohm input. ne 75-ohm output for VHF. 300-ohm outputs for HF and FM. **15-1252** **4.95**

) **VCR/TV Signal Splitter With 6-Foot Cable.** One 5-ohm input, 300-ohm outputs for UHF, VHF and M. Push-on F-connector. **15-1524** **5.95**

) **VCR/TV Signal Splitter.** 300-ohm input. Pro- des one 75-ohm output for VHF and 300-ohm utputs for UHF and FM. **15-1251** **4.95**

) **VCR/TV Signal Splitter.** One 75-ohm input. Two 5-ohm outputs for VHF and FM. **15-1293, 4.95**

) **VCR/TV Signal Splitter With 6-Foot Cable.** One 5-ohm input. Outputs for 300 ohms and 75 ohms. type connectors. **15-1522** **4.95**

(6) Terminating Resistor. F-type, ½ watt, 75 ohms. Improves overall performance of antenna cable system. Terminates unused outputs of splitters, coax wall plates and distribution amps to prevent interference and ghosts. **15-1144** . . . . . **Pkg. of 2/99¢**

(7) 75-Ohm DC Block. Protects video equipment against DC voltages from line-powered equipment. **15-1259** **1.49**

(8) Inline 6 dB Attenuator. 75-ohm. Female F-connector on each end. Reduces interference caused by excessive signal strength. **15-1258** **2.19**

(9) Inline 6 dB Attenuator. As above, but with male F to female F-connectors. **15-1257** **2.19**

(10) Mini A/B Video Switch. Two 75-ohm inputs, one 75-ohm output. Switches TV set between antenna and cable. Reversible. **15-1247** **4.95**

(11) NEW! Mini VCR/TV/FM Switch. Two switchable 75-ohm inputs, one 300-ohm output. Switches TV set between antenna and cable. Reversible. **15-1246** **4.99**

(12) A/B High Isolation Video Switch. With 75-ohm output, two switchable 75-ohm inputs. Reversible. **15-1249** **6.95**

(13) A/B/C High Isolation Video Switch. Pushbutton switch with 75-ohm output and three 75-ohm inputs. Reversible—will also select from three outputs. **15-1248** **10.95**

/HF/UHF/FM Signal Boosters for Use With 75-Ohm Coax Cable

) **VHF/UHF/FM Amplifier.** Adjustable 10 to 20 dB gain. vitchable FM trap cuts interference. Can be used with ibrid splitters (see #15-1142 on facing page) to drive up to ur TV/FM receivers or VCRs. UL listed AC. -1113 . . . . . **21.95**

) **Two-Set Amplified Coupler.** Boosts VHF channels 2-13, M and mid and superband cable TV to drive one or two 's, VCRs or FM receivers. UL listed AC. -1116 . . . . . **12.95**

(3) Inline Coax Amplifier. Reduces VHF/UHF/FM signal loss from transformers, long cable runs. Inline "bullet" amplifier connects near antenna for maximum benefit. Up to 10 dB boost. 75-ohm. UL listed AC. **15-1117** **16.95**

(4) 10 dB Booster-Amplifier. For VHF, FM, mid and superband cable TV. UL listed AC. **15-1118** **11.95**

(5) Four-Set Amplified Coupler. Boosts VHF channels 2-13, FM, mid and superband cable TV to drive up to four TVs, VCRs, or FM sets. UL listed AC. **15-1119** **14.95**

Cable-TV Amplifier

NEW FOR '90

24.95

70 Channels

Available Oct. 30, 1989

Adjustable 10 to 20 dB gain. Can be used with hybrid splitters to drive up to four TVs or VCRs. UL listed AC.

15-1112 . . . . . **24.95**

Cables, Connectors and Adapters

).	Description	Cat. No.	Each
	2-Foot Coax Cable, Male Push-On Connectors	15-1533	2.69
	2-Foot VCR A/V Cable, Phono Connectors	15-1538	2.29
	6-Foot VCR A/V Cable, Phono Connectors	15-1535	3.99
	24-Foot VCR A/V Cable, Phono Connectors	15-1539	5.19
	6-Foot Stereo A/V Cable, 3 Phono at Each End	15-1537	7.19
	12-Foot Stereo A/V Cable, 3 Phono at Each End	15-1512	8.95
	Dual 24-Foot A/V Cables, Phono Connectors	15-1540	8.29
	Adapter, Male F-Connector to Phono Plug	278-253	1.99
	Adapter, Male F-Connector to Female Phono Jack	278-255	1.29
	Adapter, Female F-Connector to Phono Plug	278-252	1.39

A/V Dubbing Kit

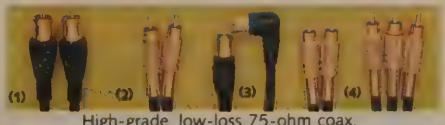
Gold Plated for Cleaner Audio and Video Copies

Two F-Type to phono jack and two 1/8" miniplug to phono jack adapters, 6-foot cable with phono plugs on ends. **15-1523** . . . **12.95**

With Chromium-Plated Plugs.

15-1525 . . . . . **6.95**

Cables With Gold-Plated Plugs



High-grade, low-loss 75-ohm coax.

Fig.	Length	Connector Type	Cat. No.	Each
1	3-Foot	Push-On F	15-1515	3.59
	6-Foot	Push-On F	15-1516	4.29
	12-Foot	Push-On F	15-1517	4.99
2	3-Foot	RCA Phono	15-1518	4.89
	6-Foot	RCA Phono	15-1519	5.69
	12-Foot	RCA Phono	15-1520	7.99
3	3-Foot	NEW! Right-Angle Push-On F	15-1513	3.99
	6-Foot	NEW! Right-Angle Push-On F	15-1514	4.49
4	6-Foot	RCA Phono (Video Dubbing Cable Set—Stereo to Mono)	15-1521	9.95

Stereo Surround System and Video Enhancers

Archer® Dolby Surround System Brings You "Movie Theater" Stereo

Save $29.90 Reg. Separate Items 229.85 **199.95** Low As $15 Per Month

- **Dolby* Surround Decoder With Built-In 10-Watt Amplifier**
- **Includes Two Minimus®-7 2-Way Die-Cast Speaker Systems**

Decodes the surround channel encoded on thousands of stereo video tapes and laser video discs. Just connect two speakers to the front-channel outputs, place a pair of speakers in the back of your room and connect the rear channel. Or, use your existing stereo system for the front channels—a "BTL" switch doubles the rear-channel output to 10 watts. Inputs: tuner, audio tape and video/TV. Outputs: audio recording, front/rear L/R speakers, front L/R line level. 3 × 9¾ × 9¾". UL listed AC. **15-1279** (TSP available) . . . . . **Decoder Amplifier Alone 129.95**
With Two Minimus-7 Black Speakers. See page 25 . . . . . **System 199.95**
5 Watts Per Channel Front/Rear, Minimum RMS, 8 Ohms, 40-20,000 Hz. With No More Than 1.0% Total Harmonic Distortion

Video Special-Effects Switcher

- **Manual and Automatic Fades**
- **30 Creative Wipe Patterns**
- **Stereo Compatible**

89.95

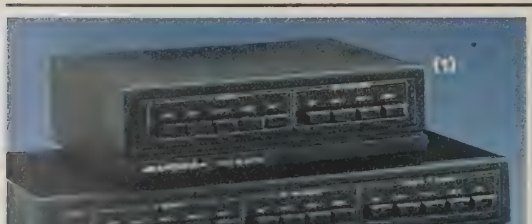
Horizontal

Vertical

Diagonal

Diamond

Professional video and sound editing features put you in command. Create horizontal, vertical, diagonal and diamond wipes—up to 30 different patterns in all. Add new audio track or narration to an existing tape during dubbing. Manual and automatic fades on both audio and video. Two video and two audio inputs for "source" VCRs, video cameras and audio components. Two video and two audio outputs. 2¼ × 10 × 6½". UL listed AC.
15-1274 (TSP available) **89.95**



Video Selectors Put an End to Cable Swapping

39.95 NEW FOR '90
Available Nov. 15, 1989

One-Touch Push-Button Controls

(1) Five-Input, 2-Output. Directs RF signals from up to five different inputs to a TV for viewing and a VCR for recording or a second TV. Has inputs for TV antenna, cable TV and VCR, plus two aux inputs. 75-ohm, "F"-type connectors. 2¼ × 7 × 6".
15-1266 . . . . . **39.95**

79.95 NEW FOR '90
Available Nov. 15, 1989

High Isolation ■ 12 dB Amplification

(2) Amplified 5-Input, 3-Output. Signal is amplified at antenna/cable TV inputs to deliver a superb picture. Directs signals from antenna, cable, VCR or two aux inputs to three outputs—main TV, remote TV or VCR. 75-ohm connectors. 2¼ × 10¾ × 6½". UL listed AC. **15-2100** **79.95**

Switches Meet the New FCC Requirements for Isolation in Selectors

Video Signal Boosters

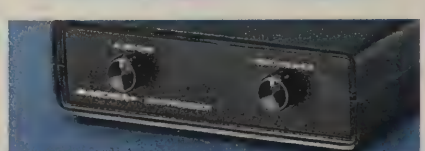
Low As **19.95**

For Clearer Pictures

(1) Video-Signal Amp/Enhancer. Boosts baseband video signal from a VCR, satellite receiver or any other video output. UL listed AC. **15-1102** **19.95**

(2) Three-Set Audio/Video Distribution Amplifier. Amplifies and splits video signals. Drives up to three audio/video components. UL listed AC. **15-1103** . . . **29.95**

Audio/Video Processor



NEW FOR '90

24.95

Connects VCR to VCR for superior dubbing of homemade tapes, or camcorder to TV for improved viewing. Separate amplifier controls for video and audio—copies turn out with pictures and soundtracks just as good as the original. 1¾ × 5⅝ × 3¾". UL listed AC adapter
15-1955 Avail. Oct. 30, 1989, **24.95**

Audio/Video Control Center

NEW FOR '90

24.95

Ends cable swapping. Instantly switches your TV or VCR between a camcorder, video disc player, satellite receiver or second VCR. Handles baseband (separate video and audio) signals. Stereo compatible. Four inputs, one output. RCA phono jack connectors. 1¾ × 5¾ × 3¾".
15-1956 . . . . . **24.95**

 EQUIPMENT ON THESE TWO PAGES INCLUDE MANUALS WITH ILLUSTRATED HOOKUP EXAMPLES / *TM DOLBY LABORATORIES LICENSING CORP.

Take Control of Your A/V System With One Remote

Universal 8-in-1 Remote Control With LCD Display, Clock and 10-Event Timer

NEW FOR '90

99.95

Low As $15 Per Month

- **Replaces Up to Eight Infrared Remotes**
- **Ten 7-Day Programmable Timers With Sequencing**
- **Compatible With All Radio Shack Infrared Controlled Components And Most Other Brands**

Learns and reproduces the commands of up to eight separate controllers—puts command of an entire A/V system in your hand. Programs up to 38 sequences of 14 steps each. Eight device categories cover the full range of electronic equipment—TV, VCR, tape deck, receiver, CD player, A/V disc player and more. Up/down channel scan. "QTR" key for quick record. Clock displays time, day and date. And since it's battery-powered, you'll *never* miss an event due to lost timer settings! Requires 4 "AA" batteries. 8¼ × 2¾ × 1½".

15-1903 (TSP avail.) **99.95**

Super Value! Universal Remote Control—A Full-Featured Four-in-One Controller

Realistic Model 150. Ends the remote control "jungle" and puts you in command with a single, easy-to-use controller. Works with almost any other infrared remote—just press the matching buttons and the Model 150 instantly learns your system's operating codes. Just right for smaller audio/video systems with remote control VCR, TV, stereo system, CD player or cable box. Compatible with all Radio Shack infrared remote controlled components and most other brands. Nine VCR function keys, direct-entry selection keys, up/down volume and channel scan. 4⅝ × 2⅝ × 1⅛". Requires 4 "AAA" batteries.

15-1902 (TSP available) **49.95**

Archer® Rabbit VCR Multiplying System

SYSTEM

79.95

- **Lets All Your TVs Share a Single VCR**
- **Enjoy Your Favorite TV Show on One Set While Viewing the VCR on Another**
- **Control Remote Functions From Any Room**

The easy way to "share" your VCR with any TV receiver in your home. Watch a video tape on any set you choose while viewing regular TV on another, without ever having to move or reconnect your VCR. You can even use your existing infrared remote to instantly transmit commands to your VCR from any room that has a Rabbit receiver. Expand the system to all your TV sets at any time by adding additional Rabbit receivers. System includes transmitter, receiver, cables and ultrathin connecting wire—hooks up in minutes! Each unit, 1¾ × 6½ × 4". UL listed AC.

15-1953 (TSP available) **79.95**

Extra Receiver. Expand your Archer Rabbit System to additional TVs. With cable, adapter, wire and manual. UL listed AC. **15-1954** . . . . . **Each 39.95**

We Make it Simple to Improve Your Video System!

70-Channel Cable Converter With Remote

NEW FOR '90

99.95 Low As $15 Per Month

- **Easy Hookup**
- **Sleep Timer**
- **Channel Flashback**
- **17-Key IR Remote**
- **Works With All Cable Systems**

Multifunction remote! Scans, tunes directly, fine-tunes and provides flashback to previous channel. Remote also turns TV and converter on/off and sets timer for auto shutoff up to 90 minutes later. Ch. 3 or 4 output. 2½ × 11½ × 6¼". With patch cable, splitter. UL listed AC. Remote requires 9V battery. **15-1287** (TSP available) **99.95**

Archer® Cable TV Block Converter

29.95

Converts VHF, Mid and Superband Cable-TV Channels To UHF Channels

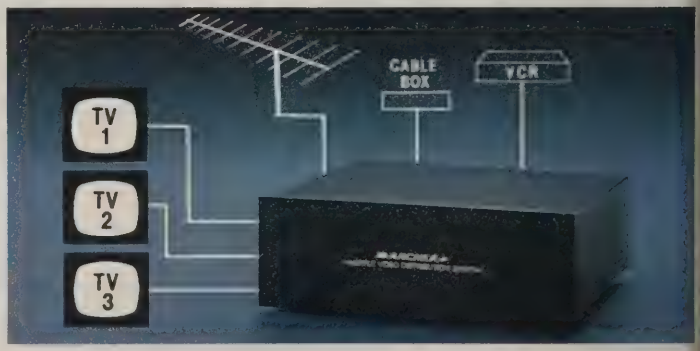
- **Watch One Channel and Tape Another With Your VCR**
- **Restore Remote-Control Functions to Your TV and VCR**

Compact, simple to install and use. Converts cable channels to UHF-TV band for selection with TV/VCR channel selector or remote. If you have a remote-control VCR or TV set, adding this converter restores remote-control tuning. Manual fine-tuning. 75-ohm connectors. 2 × 6 × 3½". UL listed AC. **15-1281** **29.95**

Video Distribution System Delivers All Your Video Sources to Every TV

- **Watch VCR, Cable or Satellite TV On TV Sets Throughout Your Home**
- **Choose Video Source With Each TV Channel Selector or Remote Control**

49.95

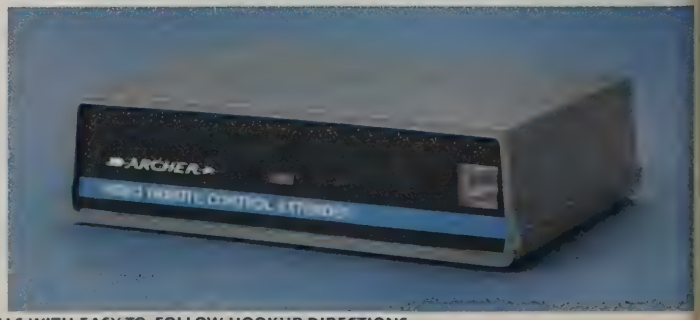


Watch what you want—where you want! Sends programs from your cable box, antenna and VCR to every TV. Independent channel selection at each set. Three amplified outputs. Easy hookup with coax cable or use existing coax in prewired homes. 2½ × 7 × 6⅝". UL listed AC. **15-1290** **49.95**

Infrared Remote Control Extender

- **Operate Remote-Control Video And Audio Equipment From Another Room in Your Home**
- **Works With Any Infrared Remote**

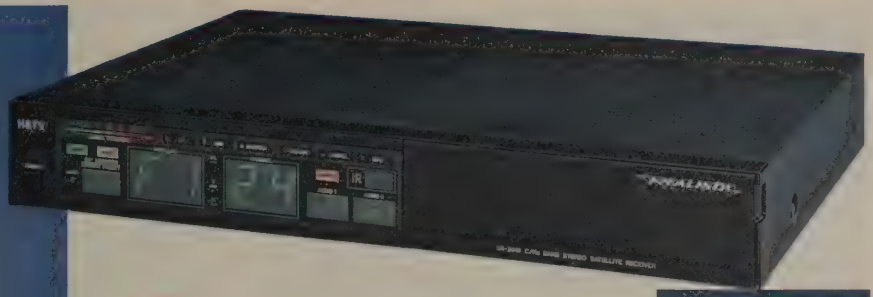
49.95



Sends commands from any infrared remote control back to the original source through existing coax cable. Here's how you can use it: Your remote-control cable box, VCR or satellite receiver is in the living room and connected to a second TV in the bedroom. With the Extender, you don't have to leave the bedroom to change channels or control VCR. UL listed AC. **15-1289** **49.95**

EQUIPMENT ON THIS PAGE INCLUDES MANUALS WITH EASY-TO-FOLLOW HOOKUP DIRECTIONS

Complete Satellite TV System With Stereo Sound



NEW FOR '90

1995.00

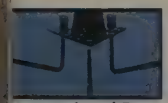
Low As $100 Per Month

- **Designed for Easy, Do-It-Yourself Installation**
- **Wireless Remote Control of All Major Functions**
- **Auto Dish Positioner ■ 99-Channel Memories**
- **Ku and Descrambler Ready—Easy to Upgrade**

Wireless Remote

BIG 9-FOOT DISH OFFERS ALL THIS!

- **Horizon-to-Horizon Motorized Mount**
- **12-Petal Perforated Aluminum Design**
- **Ku-Band Ready ■ Extra-Sturdy Mast**


asy-to-Level Base

Advanced 60° LNB

Buriable Cable

recise Gear Drive

Efficient Feedhorn

Weather Housing

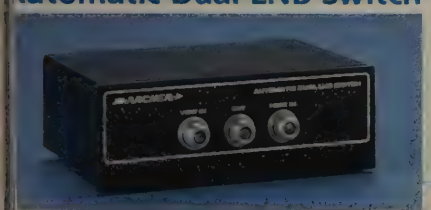
Realistic® Home Satellite TV System. Enjoy the widest possible choice of TV programming—movies and music videos with stereo sound, the ultimate in news and sports, superstations, special services, even satellite "radio." The system is specially designed for do-it-yourself installation. A complete guide with step-by-step illustrated instructions is included. Professional installation is also available*. The heart of the system, our all-new SR-2012 C/Ku-Band Satellite Receiver, has a built-in dish positioner and decoders for all three satellite stereo sound formats. It features two 99-channel memories, one for satellite TV and one for satellite audio-only services. After easy initial programming, you can select channels by touching a few keys on the wireless remote. Satellite name, channel number and information are displayed on your TV screen. Receiver has memory backup in case of AC failure, parental lock and separate audio tuning display. All powered components are UL listed. Receiver, 2¾ × 15¾ × 10¾". Descrambler not included. **Complete C-Band Dish System . . 1995.00**

These components are available separately for upgrading existing systems:

SR-2012 C/Ku-Band Satellite TV Receiver. 16-2507 (TSP available) **599.95**
9-Foot Dish Antenna With Motorized Mount. 16-2508 . . . . . **1299.95**
60° C-Band LNB. 950-1450 MHz Output. **16-2509 . . 179.95 Feedhorn. 16-2510 . . 99.95**

The following is available on special order through our CMC service: Ku-Band LNB, Dual C/Ku-Band Feedhorn, Dual H/V Feedhorn, 50 and 100-Foot Cable Extensions.

Automatic Dual LNB Switch



For Multiple Receiver Dual-Feed Systems

49.95

se with block downconversion and multiple receiv-
s to let each receiver independently select from all
ailable channels on each satellite. Satellite selec-
on remains at main receiver. 1 11/16 × 4 5/8 × 3 9/16".
L listed AC. **15-2001** **49.95**

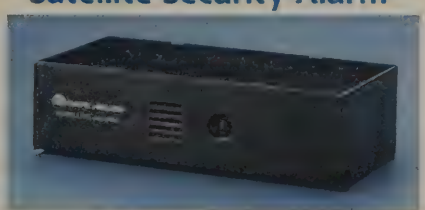
Inline Coax Amplifier

29.95

- **Improved! Now With VHF Pass-Through**
- **Cuts Loss From Splitters and Long Cable Runs**

Perfect for satellite TV systems, UHF-TV and scanner radios—boosts signals 20 dB in 430-1450 MHz range. "Bullet" amp installs inline or near antenna. With power injector, DC block module. 75 ohms. UL listed AC. **15-1115** **29.95**

Satellite Security Alarm



29.95

Battery Backup If AC Power Fails

Loud built-in buzzer gives immediate warning if cable to your dish antenna is cut or disconnected. Use as a stand-alone alarm or connect to a home security panel. Connects indoors at receiver. UL listed AC. Backup requires 9V battery. **49-441** **29.95**

*PROFESSIONAL INSTALLATION AVAILABLE THROUGH DIGITRON COMMUNICATIONS, INC.—COME IN FOR DETAILS

Archer® Indoor Antennas–Far Better Than Built-Ins

Amplified VHF/UHF And FM Antenna

44.95

Boosts Signal Up to 12 dB

Color Supreme V. Our best indoor antenna. "Cleans up" TV and FM stereo signals. Features 12-position fine-tuning control and loop with deflector/reflector for best possible reception. Normal/boost switch prevents signal overload. UL listed AC.
15-1830 . . . . . **44.95**

VHF/UHF/FM With Phasing Control

29.95

Excellent for Problem Areas

Color Supreme III. Helps eliminate ghosts and snow, even in poor signal areas. Phasing control sharpens VHF picture. Has 12-position fine-tuning control and dial to rotate UHF and VHF elements for clear pictures. Improves FM stereo.
15-1824 . . . . . **29.95**

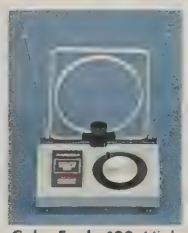
VHF/UHF/FM With Rotating Elements

24.95

12-Position Fine Tuning

Color Supreme II. Rotary control lets you orient UHF elements without turning the entire antenna assembly, for clearest reception on channels 14-83. Also improves VHF-TV and FM. **15-1816** **24.95**

VHF/UHF/FM Antenna



NEW FOR '90

19.95

Elements Adjust For Best UHF Picture and Sound

Color Eagle 100. High sensitivity on all bands. Features 12-position rotary fine-tuning control for maximum VHF/FM reception. May be wall-mounted. **15-1808** **19.95**

Amplified FM Stereo Antenna For Better Audio

29.95

Boosts Signal Up to 6 dB

Connect to your receiver for dramatically improved FM stereo reception. Fine tuning and hi/lo gain switch help bring in hard-to-get stations. Includes 300-ohm matching transformer. UL listed AC. **15-1821** **29.95**

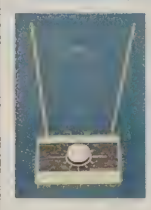
VHF/UHF Indoor

15.95

Sharpens Color And B&W Picture

Color Eagle. Phasing switch for clearest reception. VHF dipoles and dual UHF loops.
15-1810 . . . . . **15.95**

Deluxe VHF/UHF



10.95

Multi Position Fine Tuning

Greatly improves color and B&W TV reception. Installs quickly with screwdriver.
15-1818 . . . . . **10.95**

Budget VHF/UHF

8.95

Fine Tuning Control

Sharpens your reception at a low cost. Telescoping stainless steel dipoles. UHF loop.
15-628 . . . . . **8.95**

VHF Antennas

(1) Back-of-Set. Snaps in. Exact replacement for many TVs. **15-235** **4.95**
(2) TV/FM. 15-958 . . **4.99**

UHF Antennas

(1) Loop. 15-233 . . . . **1.19**
(2) Bow Tie. Snaps on VHF rod antenna.
15-234 . . . . . **2.19**

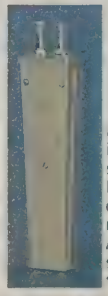
UHF Bow Tie

12.95

Twin Gold Colored Elements

Get better reception of channels 14 to 83. Fits upright on TV set. No-mar vinyl feet.
15-623 . . . . . **12.95**

Back-of-Set VHF

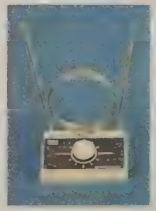


6.95

Easy to Install

Mounts conveniently out-of-sight behind TV. Delivers better reception on channels 2 through 13. Adjustable telescoping dipoles.
15-1804 . . . **6.95**

Indoor FM Antenna



12.95

Enhances FM Stereo

Stereo Supreme. Cuts FM drift and noise, pulls in weak stations. Fine-tuning control.
15-1822 . . . . . **12.95**

Indoor VHF/UHF/FM Antenna Amplifier With 10 dB Gain

19.95

Instantly Converts Any Indoor TV/FM Antenna to an Amplified Antenna

Dramatically improves station pulling power. Connects to back of TV set with simple screwdriver hookup. Separate VHF and UHF input/output leads. LED power-on indicator. UL listed AC.
15-1104 . . . . . **19.95**

THERE'S A RADIO SHACK STORE OR DEALER NEAR YOU—WHEREVER YOU LIVE OR GO IN THE USA

ENERCELL® Rechargeable Batteries Save You Money

Our Nickel-Cadmiums Are Reusable Over and Over Again

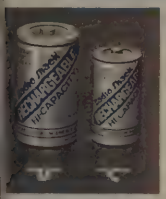
ou can recharge our exclusive ENERCELL batteries to their full strength repeatedly—
r just pennies a charge! Although nickel-cadmium batteries cost a little more initially,
ey actually cost much less in the long run because they can be used and recharged so
any times. The "9V" rectangular battery delivers 7.2 volts, and is excellent for most
-volt applications. See right for our selection of nickel-cadmium chargers.

Cell Type	Volts	Amp Hour	Replacement for			Cat. No.	Price
			Eveready	GE	Duracell		
"D"	1.25	1.400	CH50	GC3	NC13	23-123	Pkg. of 2/6.79
"AA"	1.25	0.600	CH15	GC1	NC15	23-125	Pkg. of 2/4.69
"C"	1.25	1.200	CH35	GC2	NC14	23-124	Pkg. of 2/6.79
9V	7.2	0.065	CH22	GC9	NC1604	23-126	Each/9.95
AAA"	1.25	0.180	CH12	...	NC24	23-127	Pkg. of 2/5.39
"N"	1.25	0.150	...	...	...	23-121	Pkg. of 2/5.39

Battery Chargers to Fit Any Budget or Need

(1) Ni-Cd Quick-Charger. Charges "D", "C", 9V, "AA", "AAA" batteries in five hours or less. **23-233** Available Sept. 30 . . . . . **26.95**
(2) "AA"/"AAA" Charger. Regulated to prevent overcharging. Charges up to six Ni-Cd batteries in 14 to 16 hours. **23-136** **11.95**
(3) Standard. For use with "D", "C", "AA", 9V Ni-Cds. Charges "AAA" and "N" batteries when you use modules below. **23-132** **12.95**
(4) Transistor Charger. For Ni-Cd 9 volt batteries only. **23-131** . . **4.29**
(5) "AA" Charger. Recharges up to 4 Ni-Cds overnight. **23-133, 5.95**
(6) Deluxe. Charges up to 10 "C", "D" or "AA" Ni-Cd batteries. Charges "AAA" and "N" when you add modules below. **23-134** **29.95**
"AAA" Module. 23-135 . . . . . **Pkg. of 4/1.95**
"N" Module. 23-137 . . . . . **Pkg. of 4/1.95**
AC units are UL listed for safety—batteries not included

HI-CAPACITY™ Heavy-Duty Ni-Cd Batteries



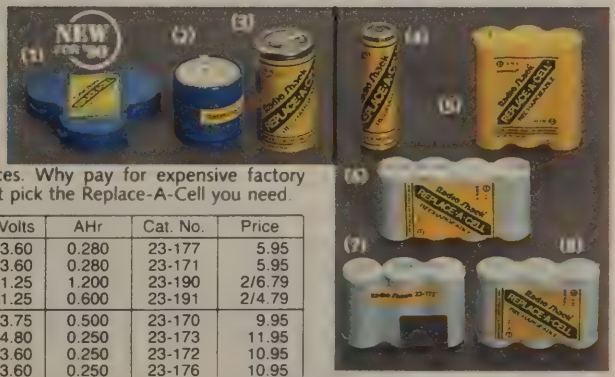
For high-current-drain equipment—last much longer than regular Ni-Cd batteries between charges.

Batteries not included

Cell Type	Volts	Ampere Hours	Cat. No.	Each
"D"	1.25	4.0	23-140	7.95
"C"	1.25	1.8	23-141	5.95

-Capacity Battery Charger. Supplies the higher current required recharge our HI-CAPACITY "C" and "D" batteries. Not for gular nickel-cadmiums. UL listed AC. **23-142** **19.95**

Replace A Cell® Ni-Cd Batteries



For cordless devices. Why pay for expensive factory replacements—just pick the Replace-A-Cell you need.

Fig.	Type	Volts	AHr	Cat. No.	Price
1	Pack	3.60	0.280	23-177	5.95
2	Pack	3.60	0.280	23-171	5.95
3	Sub "C"	1.25	1.200	23-190	2/6.79
4	"AA"	1.25	0.600	23-191	2/4.79
5	Pack	3.75	0.500	23-170	9.95
6	Pack	4.80	0.250	23-173	11.95
7	Pack	3.60	0.250	23-172	10.95
8	Pack	3.60	0.250	23-176	10.95

ickel-Cadmium Racing Pack and Chargers

(1) Enercell Rechargeable Pack. Get the most from your radio controlled racing vehicles. Six-cell construction is ultra-lightweight at a mere 320 grams. **23-230** **24.95**
(2) Battery Pack Charger. Recharges battery pack above in just four to five hours. UL listed AC. **23-231** . . . **9.95**

(3) Archer Portable DC Fast-Charger. Connects to auto battery. Recharges battery pack #23-230 in only 20 minutes. Features a start button and charging indicator. **23-232** **29.95**

HI-CAPACITY Camcorder Batteries

Nickel-Cadmium

Get more shooting time per charge—last much longer than standard camcorder batteries.
(1) For VHS. Fits Radio Shack Model 100 MovieCorder and most other popular brands. 12V, 1500 mAh. **23-183** **59.95**
(2) NEW! For 8mm. Fits most popular 8mm camcorders. 6V, 1500 mAh **23-184** **29.95**

Powerful Radio Shack Batteries for Every Need

ENERCELL® Extra-Life Batteries for Heavy-Duty Applications

- "Miracle Seal" for Much Greater Leak Protection Than Most Batteries
- Up to Three Years Shelf Life
- Rigid Steel Case

Cell Type	Replacement for Eveready	Replacement for Ray-O-Vac	Cat No	Each
6V	1209	944	23-016	3.99
"D"	1250	6D	23-580	.59
"C"	1235	4C	23-581	.59

Cell Type	Replacement for Eveready	Replacement for Ray-O-Vac	Cat. No.	Each
9V Rect	1222	D1604	23-583	.99
"N"	..	810	23-585	.35
"AAA"	912	400	23-584	.39
"AA"	1215	5AA	23-582	.39

Battery Charger and Handy Battery Checker

Archer® Charger. Recharge your old batteries and save money! Charges two or four "C", "D", "AA" or 9V batteries. Protected against overcharging. For ENERCELL General Purpose and Extra Life only. UL listed AC. **23-120** **14.95**

Handy Checker. Always keep one in a handy place! For "C", "D", "AA", "AAA", "N", and 9V in zinc-carbon, alkaline or nickel-cadmium. **22-096** **6.95**

Low-Priced ENERCELL Batteries For General-Purpose Use

- Cost Less Than Most Other Brands
- Our Most Popular—Millions Sold Each Year

Because we sell so many, so fast, they're fresh and strong when you buy them. Compare prices and you'll see what a great value these batteries really are. Leak-protected.

Cell Type	Replacement for Eveready	Replacement for Ray-O-Vac	Cat. No.	Each
"C"	935	14	23-467	.37
"D"	950	13	23-466	.37
9V Rect.	216	1604	23-464	.59
"AA"	915	15	23-468	.29
6V Lantern	509	941	23-006	2.99

Get Your *FREE* Battery Card!

Up To $7.08 Value!

Join our Battery-A-Month Club and get one General-Purpose "D", "C", "AA" or 9V ENERCELL each month for a whole year! No obligation, nothing to buy, it's just our way of encouraging you to visit our stores. Come in for your free card now!

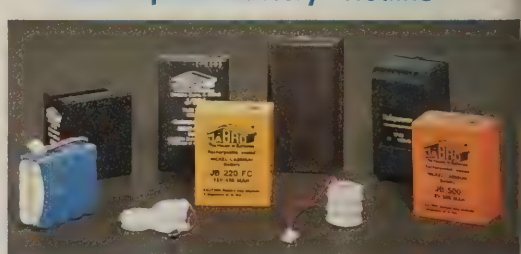
At participating Radio Shack stores and dealers. Lantern battery excluded.

Come to Radio Shack for "Hard-to-Find" Batteries

Fig.	Volts	Replacement for Ever-eady	Ray-O-Vac	Dura-Cell	Cat. No.	Each
1	4.5	*	844	...	23-174	12.95
2	12.0	732	926	M926	23-007	11.95
3	12.6	304116	...	304116	23-670	13.99
4	11.2	E431BP	...	TR431	23-671	13.99
5	6.0	**	...	...	23-181	10.95
5	6.0	†	...	...	23-185	14.95
6	1.45	AC675	R675ZA	DA675	23-150	2/1.69
7	5.6	E164	...	PX32B	23-463	6.95
8	6.0	539	867	7K67	23-471	3.99
9	1.35	E625	T625N	RM625	23-462	2.39
10	7.0	E175	T175	TR175	23-601	5.89
11	1.4	E401	T401	MP401	23-660	2.99
12	22.5	505	221	M505	23-510	5.59
13	1.4	E640	T640-1	RM640	23-1515	2.79
14	12.0	...	...	...	23-144	1.39
15	6.0	A544	RPX28	PX28L	23-469	3.99

*For IBM® PC/AT Computers. Reg. TM IBM Corp.
**2.5 AHR †5.0 AHR

New! Special Battery "Hotline"



Hundreds Available From Our Consumer Mail Center—No Shipping Charges!

Your nearby Radio Shack is now your source for everything in consumer batteries—almost every type manufactured! Our expanding selection now even includes special "communications" batteries used in police, fire and emergency walkie-talkies and pagers, to name a few. We will place your order on our telephone "Hotline", and your batteries will be shipped directly to your Radio Shack from our main warehouse. We'll notify you when your order arrives. No extra charge for this service! Come in—we're ready to help you, whether it's a small or large-quantity order.

PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS

ENERCELL® Batteries for Longer Lasting Power

ENERCELL Batteries Are Always a Better Buy! Compare—You Won't Find a Greater Value!

ENERCELL Batteries Are Consistently Rated "Tops" by Nationally Respected Experts! We're the Best in the Business!

Radio Shack's exclusive ENERCELL brand is the solid value in batteries today. No wonder our customers bought well over 100 million ENERCELL batteries in 1988. That means we can continue the tradition of providing *the freshest batteries on the market*. ENERCELL batteries are constructed with the best materials, and must pass tough Quality Assurance tests before shipment. We have the largest selection of sizes and types. Now you know why they're consistently rated superior. So get the best—exclusive ENERCELL batteries!

New ENERCELL Premium-Quality SUPER ALKALINES

- **You Can't Buy a Better, Longer Lasting Alkaline Battery**
- **Long Shelf Life ■ High Output at Low Temperatures**
- **Anti-Corrosion Contacts ■ Cost Less in the Long Run**

Keep your equipment working harder and longer. You can't buy a more powerful alkaline battery. State-of-the-art construction along with new and better formulation results in a high-capacity battery for superior performance and long life. Steel clad, insulated, dependable!

Cell Type	Replacement for			Cat. No.	Price
	Ray-O-Vac	Eveready	Duracell		
"C"	814	E93	MN1400	23-551	Pkg. 2/2.59
9V Rect.	A-1604	522	MN1604	23-553	Each 1.89
"AA"	815	E91	MN1500	23-552	Pkg. 4/2.89
"D"	813	E95	MN1300	23-550	Pkg. 2/2.59
"AAA"	824	E92	MN2400	23-555	Pkg. 2/1.59
"N"	81C	E90	MN9100	23-023	Pkg. 2/1.59

Photography, Calculator And Watch Batteries

Specially formulated to keep working longer and harder than "regular" batteries, these ENERCELL batteries are custom-engineered for electronic applications.

Radio Shack	Replaces				Cat No	Price
	Eveready	Ray-O-Vac	Duracell	Other		
76	EPX76	RW22/42	D357	G13, 541	23-009	1.99
389	389	RW49	D389	G10, V10GS	23-101	1.29
392	392	RW27/47	D392	G3, 547	23-102	1.29
393	393	RW28/48	D393	G5, 546	23-103	1.49
303	303		D303	GS14, 521	23-104	1.99
357	357	RW22/42	D357	G13, 541	23-105	1.99
386	386	RW24/44	D386	G12, 548	23-106	1.49
391	391	RW40	D391	G8, V8GS	23-107	1.29
323	323	RW58	D323	Type C, 506	23-108	1.39
343	343	RW56	D343	Type B, 509	23-109	1.29
362	362	RW310	D362	Type S, 532, SR721	23-110	1.29
364	364	RW320	D364	Type T, 531, SR621	23-111	1.29
396	396	RW411	D396	Type V, 556, SR726	23-112	1.29
399	399	RW413		Type W, 543, SR926	23-113	1.29
390	390	RW39/390	D390	603, 534, SR1130	23-201	1.29
329	329			24, 525	23-202	1.49
371	371	371	D371	SR920, 30, 537	23-203	1.29
377	377	377	D377	SR626, 37	23-204	1.29
384	384	384	D384	SR41, 10, 527	23-205	1.29
395	395	395	D395	SR926, 25, 523	23-206	1.29
397	397	397	D397	SR726, 26, 536	23-207	1.29
319	319	319	D319	SR527SW, 615,8067	23-208	1.99
379	379	379	D379	SR521SW, 8073	23-209	1.99
675B2	EP675	RP675	MP675	8107, M13	23-1521	Pkg. 2/1.49

Alkalines for Your Calculator

Outperform standard carbon-zinc batteries, even under high-current-drain conditions. Long storage life.

Radio Shack	Replaces			Cat. No	Each
	Ray-O-Vac	Eveready	Maxell		
357A	RW82	A76	LR44	23-115	1.19
386A	RW84	186	LR43	23-116	1.19
389A	RW89	189	LR1130	23-117	1.19
391A	...	191	LR1120	23-118	1.19

ENERCELL Hearing Aid Batteries

1.45V Air-Activated Packs

Lightweight, yet have about twice the power capacity of other types. Air-seal protected

Radio Shack	Replaces			Cat No	Price
	Ever-eady	Ray-O-Vac	Dura-cell		
675HP	AC675E	R675ZA	DA675	23-157	Pkg 3/2.39
13HP	AC13E	R13ZA	DA13	23-158	Pkg 3/2.39
312HP	AC312E	R312ZA	DA312	23-159	Pkg 3/2.39
230HPX	...	R10Z	230HPX	23-156	Pkg 3/2.39

1.4V Mercury-Powered Packs

Don't miss a word just because of a bad battery! Radio Shack has long-life replacements

Radio Shack	Replaces			Cat No	Price
	Ever-eady	Ray-O-Vac	Dura-cell		
P675M	EP675	RP675	MP675H	23-145	Pkg. 6/2.79
13M	E13E	R13	RM13	23-146	Pkg. 6/2.79
312M	E312E	T312	RM312H	23-148	Pkg 6/2.79

Hi-Energy Lithium for Watches and Calculators

Actually outperform alkalines! High leakage resistance, high voltage, high energy density, extra-long shelf life, lighter in weight. 3 and 6 volt

Radio Shack	Replaces			Cat No	Each
	GE	Eveready	Duracell		
CR2016H	CR2016	E2016	DL2016	23-160	1.99
CR2025	CR2025	E2025	DL2025	23-161	1.99
CR2032	CR2032	E2032	DL2032	23-162	1.99
CR1620				23-164	1.99
BR2020				23-165	1.99
CR2430			DL2430	23-166	1.99
CR1616				23-167	1.99
BR2325				23-168	1.99
BRP2*	...	EL223A	DL223A	23-175	12.95

*Exact-replacement 6V lithium battery pack for use in cameras and memory backup in personal computers.

Safe and Solderless! Our Science Fair® Project Kits

130-Project Lab Kit

29.95 NEW FOR '90

- Start a Great Hobby In Electronics
- No Prior Knowledge Needed to Assemble

Everything you need to discover electronics—the exciting way! Build a radio, AM broadcast station, electronic organ, timer, logic circuits and dozens more. With built-in speaker, 7-segment LED display, two integrated circuits and rotary controls. Safe, simple coil-spring connections. Includes fully illustrated step-by-step manual. Requires 6 "AA" batteries. **28-259** . . . **29.95**

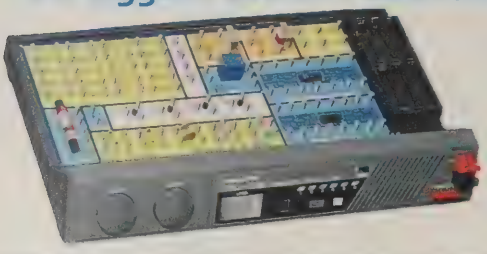
60-Project Electronic Lab Kit

21.95

- Coil-Spring Connectors
- Built-In Buzzer

Premounted transistors, capacitors, resistors and diodes let yo build computer circuits, a radio, Morse code system and mor Built-in electric motor and radio antenna coil. With earphone an manual. Requires 9V and 2 "AA" batteries. **28-256** **21.9**

Our Biggest! 200-in-1 Electronic Project Lab Kit



44.95

- Learn Basic Electronic Circuitry
- 100% Safe Battery Operation

Build a burglar alarm, digital timer, electronic organ, radios and lots more. Integrated circuits with "OR", "AND", "NOR", and "NAND" gates help teach computer fundamentals. Speaker, meter, 108-page manual. Requires 6 "AA" batteries. **28-265** **44.95**

30-in-1 Electronic Project Lab Kit

12.95

- Safe and Fun Experiments
- Solderless Wire Terminals

Learn the basics of electronics as you build a radio, beacon light alarm, timer and simple computer circuits. Includes everything yo need to enjoy and build all 30 projects again and again. Witl earphone. Requires 2 "AA" batteries. **28-161** **12.9**

Build and Listen to Your Own Radio

(1)

12.95

(3)

12.95

(2)

5.95

(4)

12.95

All come complete with illustrated manual and earphone.

(1) AM/VHF Project Kit. Listen to police, aviation and weather bands, plus the 550-1600 KHz AM band. Preassembled tuner. 108-135/148-174 MHz. Coil-spring assembly. Requires 9V battery. **28-163** **12.95**

(2) AM/FM Project Kit. Hear local AM and FM radio stations. Preassembled tuner. Coil-spring assembly. Requires 2 "AA" batteries. **28-175** **12.95**

(3) AM/Shortwave Project Kit. Listen to distant shortwave stations or local AM. Bands: 520-1625 kHz; 5.5-10 and 9-16 MHz. Requires 2 "AA" batteries. **28-176** **12.95**

(4) Crystal Radio Kit. Plays forever without tubes, transistors or batteries. Like early radios, a crystal converts RF to audio. Covers 550 kHz-1600 kHz AM band. **28-177** **5.95**

Learn Science, Aeronautics and Physics

(1) (2) (3)

19.95 **19.95** **19.95**

Hundreds of Educational, Entertaining Experiments

(1) Science-3 Project Lab Kit. Discover the exciting and sometimes mysterious world of science. Includes all apparatus and instructions necessary to perform experiments dealing with the laws of mechanics, the secrets of solar energy and assembly of a microscope that allows you to look into the world of micro-organisms. **28-189** **19.95**

(2) 100-Project Aeronautical Lab Kit. Learn the history and principles of flight with this complete study of aeronautics! Build a helicopter, flyable model air-plane, helium balloon and reusable rocket with parachute recovery system. Includes step-by-step manual. **28-196** **19.95**

(3) 280-Project Physics Lab Kit. Experiment with liquids, simple machines, heat, sound, pressure, magnetism and more. Includes pegboard main console, all apparatus and instructions. Requires 2 "AA" batteries. **28-193** **19.95**

USE POWERFUL RADIO SHACK ENERCELL® EXTRA-LIFE BATTERIES IN ALL YOUR SCIENCE FAIR KITS

The Best in Exciting Electronic Toys and Hobby Kits

30-in-1 Mechanical Project Kit

14.95

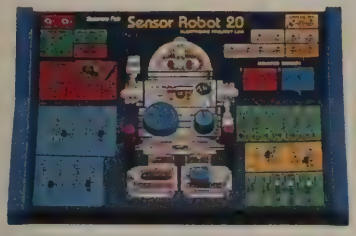
Create Working Mechanical Models

Discover the fascinating world of mechanical physics. Build projects using gears, cams and pulleys. Experiment with your own designs by creating working models of a drawbridge, forklift or clock. Requires 2 "AA" batteries. **28-257** **14.95**

Sensor Robot Lab Kit

15.95

20 Projects



Built-in sensors respond to light, sound, magnetism and moisture. Projects include a rain detector, burglar alarm and glass organ. Requires 9V battery. **28-164** **15.95**

ArcherKit® Test Equipment For Advanced Hobbyists

7.95 **19.95**

Soldering Required ■ With Leads

-Range Pocket Multitester. You'll enjoy building it yourself! 1000 hms/volt DC sensitivity. Measures to 1000V, AC and DC, in six anges. DC current to 150 mA, resistance to 100,000 ohms. Requires "AA" battery. **28-4012** **7.95**

5-Range Multitester. Color-coded mirrored scale. 20,000 ohms/olt DC sensitivity. Measures to 1200V, AC and DC, in 12 ranges. C current to 60 µA, and 0-300 mA in three ranges, resistance to ×1000. Requires "AA" battery. **28-4013** **19.95**

Archer Space Patrol® 49-MHz Walkie-Talkies

No License Required

(1) Standard. Buy two or more for outdoor or indoor fun. Talk to your friends next door or send secret messages in Morse code with the built-in code key—the code alphabet is displayed right on the front panel. Includes flexible antenna, on/off switch, and a handy lock-on talk button. 5 1/16 × 2 5/8 × 4 1/4". Requires 9V battery. **60-4015** . . . . **Each 9.95**

(2) Micro-Thin. Less than 1" thin so it fits right into your pocket. Ultrasensitive superregenerative receiver circuit, 1 1/2" speaker, push-to-talk button and telescoping antenna. Each requires 9V battery. 5 5/16 × 1 3/4 × 7/8". **60-4014** . . . . . **Pair 18.88**

(3) Headset With "Boom" Microphone. Leaves your hands free. Adjustable headset. Rotary on/off and volume control, headset-mounted antenna, and a push-to-talk button. With convenient belt clip. 4 × 2 9/16 × 1 7/8". Each requires 9V battery. **60-4016** . . . . . **Pair 19.95**

Strike It Rich for Fun Or Profit! Electronic Metal Detectors

Treasure Finder. Just the thing for treasure-seekers on a budget. Spots anything metallic up to one-half foot underground! Easy-to-use tuning and fine-tuning controls. Speaker tone changes when the sensitive search coil detects metal. Adjustable shaft extends to 27". Requires 9V battery. **60-3003** **19.95**

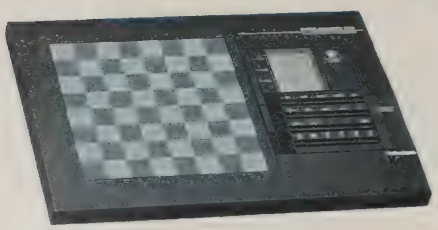
"Standard" Detector. Spots metal under soil, wood and dry sand. Water-resistant coil has a Faraday Shield to cut false readings. Large meter, peaking and volume controls. Ferrous/nonferrous control helps identify valuable objects—saves needless digging for "junk". 1/8" headphone jack. Adjustable shaft extends to 24". Requires 6 "AA" batteries. **63-3001** **39.95**

Discriminator Detector. Discriminator-type circuit identifies "junk" such as bottle caps and pull-tabs so you can avoid needless digging. Includes speaker and meter for visible and audible indication. Rotary auto-tuning and discrimination controls. 1/4" headphone jack. Adjustable shaft extends to 24". Requires 6 "AA" batteries. **63-3002** **59.95**

Very Low-Frequency. Special VLF circuitry identifies buried, valuable metals even in highly mineralized ground. Waterproof 8" search coil even detects objects in shallow water. Auto-tune for optimum sensitivity. Built-in meter and speaker for visual and audible indication. Volume, sensitivity, tuning and discrimination controls, 1/4" headphone jack. Adjustable shaft extends to 26 1/2". Requires 3 9V batteries. **63-3003** **89.95**

Entertaining Electronic Games to Test Your Skills

Super Deluxe Chess Game Champion



179.95 Low As $15 Per Month

Capable of Defeating 98% Of All Chess Players

Radio Shack 2150. Forecasts sequences of moves, shows time and depth of search. Evaluates position. Memory stores unfinished games. Requires 6 "C" batteries or AC adapter #273-1455.
60-2204 ..... **179.95**

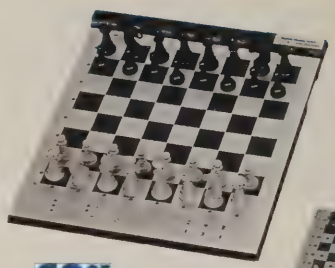
Deluxe Fast-Response Computer Chess

99.95 Low As $15 Per Month

16K Program ■ 17 Skill Levels

Radio Shack 1850. While "thinking," computer can display moves being considered. Solves mate-in-10 problems allows take backs. Long-term memory. Requires 4 "C" batteries or AC adapter #273-1454A. **60-2201** **99.95**

Multi-Level Computer Chess



39.95

69.95

49.95

Tabletop Chess 1650. Sleek Sensor Board automatically registers all moves. Nine skill levels. Requires 4 "AA" batteries or AC adapter #273-1454A. **60-2194** **69.95**

Portable Chess 1650. Play anywhere! The computer "coaches" you with move suggestions. Nine levels of play. Memory stores all unfinished games. Requires 3 "AA" batteries. **60-2187** **49.95**

Pocket Chess 1450. This portable computer/coach lets you learn from its built-in studies. Eight play levels. Memory stores unfinished games. Requires 3 "AAA" batteries. **60-2251** **39.95**

LCD Tabletop Games For Kids of All Ages

NEW FOR '90 **14.95** Each

Table Space Alien. Fly spacecraft in out-of-this-world traffic jams. Built-in alarm clock. Requires "AA" battery. **60-2232** **14.95**

Baseball. Hit homers or strike out at the plate, just like the pros! Built-in alarm clock. Requires "AA" battery. **60-2233** **14.95**

Football. Charge down the field but avoid that swarming defense. Fun! Built-in alarm clock. Requires "AA" battery. **60-2234** **14.95**

LCD Jet Fighter Game

NEW FOR '90 **12.95**

Test your skill under enemy fire! Destroy all attacking jet fighters. Includes RS386A battery.
60-2231 ..... **12.95**

LCD Action Games

NEW FOR '90

Space Rescue. Operate your space ship skillfully! Built-in alarm clock. Includes RS357A battery.
60-2229 ..... **7.95**

Raceway. Two levels to test your driving skills. With LCD clock and sound effects. Includes RS357A battery. **60-2225** **7.95**

Pocket LCD Games

All include RS386A battery

12.95 Each

NEW FOR '90

Highway Game. Drive well and you'll win. Two skill levels.
60-2222 ..... **12.95**

Plane & Tank Battle. Normal/fast speeds. Clock. **60-2196, 12.95**

Space Alien. Manuever your space ship. Alarm clock. **60-2230, 12.95**

Pocket Repeat Game

10.95

Two Skill Levels

Challenges you to remember and repeat a series of notes. Requires 9V battery.
60-2152 ..... **10.95**

Sonar Sea Battle Game

NEW FOR '90 **29.95**

Two Exciting Games Of Seamanship

Play computerized Sonar Battleship or Nuclear Subs. The object's the same—use radar to seek-and-destroy your opponent's ship before he sinks yours. Requires 4 "AA" batteries **60-2235** **29.95**

Fast-Paced Ice Hockey Game

24.95

High-Speed Stick Handling

Features quick-response control buttons and power-operated players for exciting, fast-action hockey games. Requires 2 "C" batteries. **60-1099** .. **24.95**

Twelve-Game Arcade

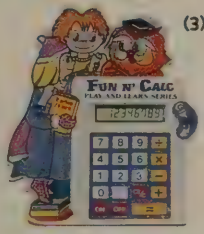
19.95

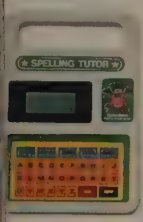
Play baseball, 12-note organ, casino roulette and more! Requires one 9V and 4 "C" batteries.
60-2159 .... **19.95**

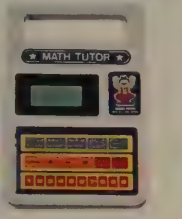
ALL RADIO SHACK CHESS GAMES ENDORSED BY GARRY KASPAROV—THE WORLD CHAMPION

Electronic Learning Toys for Fun and Education

Developed to Give Kids a Head Start







ems (2) through (7) require 2 "AA" batteries

(1) Learning Computer. With "child-friendly" keyboard, 25 program cards. Requires 4 "AA" batteries. **60-1095** **19.95**

(2) Show 'n Learn. The fun way to teach kids colors, shapes and other basics. **60-2328** . . **12.95**

(3) NEW! Fun 'n Calc. Math made easier! 8-digit display, manual. **60-2334** **7.95**

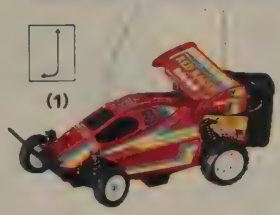
(4) Spelling Tutor. Find missing letters, misspelled words, more! 5 games. **60-2332** **22.95**

(5) Math Tutor. Learn addition, subtraction and multiplication tables. Games and quizzes. **60-2331** **22.95**

(6) Spell 'n Math. Learn ABCs and numbers. 15 function modes. Kids five and up. **60-1093** **26.95**

(7) LCD Spell 'n Math Instructor. Paperless typing, spelling exercises, games, math. **60-2333** **31.95**

Radio-Controlled Action Cars



(1) Red Racer. Win the neighborhood off-road "nationals". 6½" long. 49 MHz. Requires 9V and 2 "AA" batteries. **60-3065** **9.95**

(2) Lamborghini. European-styled sports car cuts the wind. Airfoil for road-hugging stability. 9" long. 27 MHz. Requires 2 9V and 4 "AA" batteries. **60-4051** **11.95**

(3) Zebra Frame Buggy. Remote control is built into steering wheel. 10½" long. 49 MHz. Requires 9V and 6 "AA" batteries. **60-4065** **17.95**

(4) NEW! Wild Runner. Off-road fun! High-traction truck with oversize tires. 27 MHz. 8" long. Requires 2 9V and 6 "AA" batteries. **60-4031** **14.95**

(5) NEW! Fire Buggy. Soft rubber tires and spring suspension. Airfoil for stability. 49 MHz. 8¼" long. Requires 2 9V and 4 "AA" batteries. **60-4030** **12.95**

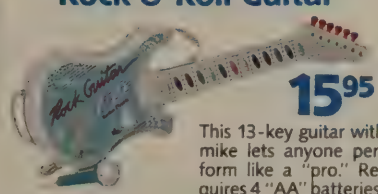
FM Wireless Microphone

6.95

Makes Every Youngster A Star

e to a blank spot on the FM radio band and go the-air or use as a mini PA system. Requires 2 A" batteries. **60-2109** **6.95**

Rock & Roll Guitar



15.95

This 13-key guitar with mike lets anyone perform like a "pro." Requires 4 "AA" batteries. **60-2296** **15.95**

It Lights Up!

RC Combat Battle Tank

NEW FOR '90

27.95

Looks and sounds like the real thing. Forward, reverse/turn commands. 27 MHz. 10½" long. Requires 9V and 8 "AA" batteries. **60-4040** . . **27.95**

Programmable Organ

17.95

- **Built-In Speaker**
- **25 Keys**

mpose and play your own songs or automatiy "play" any of eight preprogrammed tunes. th songbook. Requires 4 "C" batteries. 1091 . . . . . **17.95**

Sing-A-Long AM/FM Radio

17.95

Hand Mike Included

Youngsters can listen to or sing along with their favorite music. Select FM, AM, or Sing-A-Long. Easy-to-read tuning dial. Requires 9V battery. **60-2293** **17.95**

Rovin' Robie® the Robot

24.95

- **9" High**
- **Arms Move, Hands Grip**

Just speak into the remote to make Robie "talk" with your voice. Hands grip objects, arms move up/down. 49 MHz. Requires 2 9V and 4 "AA" batteries. **60-4061** **24.95**

Radio Controlled Toys to Challenge Kids of All Ages

Streamlined Turbocharged Ferraris

29.95 Each

- Authentic Styling
- Fast-Lane Action

Leave 'em in the dust! Choice of two radio frequencies lets you race against a friend. Multifunction wireless remote control. 11" long. Requires 2 9V and 6 "AA" batteries.

27 MHz. 60-4034 . . . . **29.95** **49 MHz. 60-4035** **29.95**

Tough 4 x 4 Off-Road Muscle Trucks

47.95 Each

Dual-Stick Transmitter for Fast Response

High-traction four-wheel drive with super-size tires. Two gear speeds for choice of speed or pulling power. 12½" long. Requires 2 9V and 4 "C" batteries.

27 MHz. 60-4057 . . . . **47.95** **49 MHz. 60-4067** **47.95**

Hi-Performance Speed Racers

19.95 Each

Pop into high gear on the open straight-away! Then leave the competition behind as you steer your way to victory! 9¾" long. Requires 2 9V and 4 "AA" batteries.

27 MHz. 60-4032 . . . . . **19.95**
49 MHz. 60-4033 . . . . . **19.95**

2-Speed Turbo Z Racer

49.95 **Custom Stock Design**

Shift from low to high gear and pull away from the pack! Jack for charging nickel-cadmium batteries. 14" long. 49 MHz. Requires 9V and 8 Ni-Cd "AA" batteries.

60-4037 . . . . . **49.95**

Turbo Concord Buggy

41.95

NEW FOR '90

Conquer the treacherous Baja! Features spring suspension and two speeds. Jack for charging nickel-cadmium batteries. 12" long. 27 MHz. Requires 9V and 8 Ni-Cd "AA" batteries.

60-4036 . . . . . **41.95**

Off-Road Aero Buggy

34.95

Spring suspension takes you smoothly over rough terrain! Jack for charging Ni-Cd batteries. 10¼" long. 49 MHz. Requires 2 9V and 6 Ni-Cd "AA" batteries. **60-4073** **34.95**

Turbo Lamborghini

34.95

Feel the power of this exciting turbocharged sport vehicle! Authentic body styling to 1/15 scale. 12" long. 27 MHz. Requires 9V and 6 "C" batteries. **60-4074** **34.95**

Fire Fighting Cruiser

59.95

Put out "fires" with a working water cannon! Jack for charging nickel-cadmium batteries. 18½" long. 27 MHz. Requires 9V, 4 "C" and 4 "AA" batteries. **60-4072** **59.95**

Take Control With RC Vehicles From Radio Shack

Lightning-Quick Turboracer

59.95

7-Function Remote For Better Handling

Watch your friends' faces as your Turboracer takes the lead! Features pistol-grip remote. Auto power-off saves batteries. Jack for charging Ni-Cd batteries. 12½" long. 27 MHz. Requires 9V and 8 Ni-Cd "AA" batteries. **60-4069** **59.95**

Four-Wheel Drive Wild Pony

NEW FOR '90 **59.95**

Rugged 4×4 with spring suspension. Jack for charging Ni-Cd batteries. 12" long. 27 MHz. Requires 9V and 8 Ni-Cd "AA" batteries. **60-4039, 59.95**

Speedy Turbo-Wing Buggy For Off-Road Fun

49.95 **Rechargeable**

Soft rubber tires and impact absorbing front bumper. Jack for charging Ni-Cd batteries. 14" long. 27 MHz. Requires 9V and 8 "AA" Ni-Cd batteries.
60-4075 ..... **49.95**

The Best Rechargeable RC Racers and Power Accessories

Digital Proportional Off-Road Buggy

119.95

Low As $15 Per Month

- **Spring-Type Shocks**
- **Realistic D-P Steering**

Golden Arrow has latest FET motor drive system and trailing arm front suspension. 15½" long. 27 MHz. Requires 10 "AA" batteries, 23-230 7.2V battery pack. **60-4080** **119.95**

White Tiger Turbo

NEW FOR '90 **69.95**

Claw up the road with White Tiger power! Two speeds. 13½" long. 27 MHz. Requires 2 9V batteries, 23-230 7.2V battery pack.
60-4038 ..... **69.95**

4×4 Wild Horse

NEW FOR '90 **119.95**

Low As $15 Per Month

4-wheel drive! 16" long. 27 MHz. Requires 2 9V batteries, 23-230 7.2V battery pack. **60-4041** **119.95**

Red Arrow Off-Roader

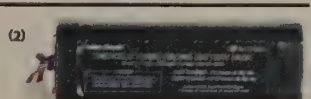
89.95

- **D-P Steering**
- **Wide, Angled Bumper Guard**

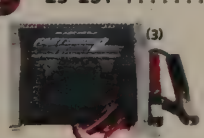
Red Arrow buggy features two-speed motor drive system, spring shock front and rear suspension. 14½" long. 27 MHz. Requires 10 "AA" batteries, 23-230 7.2V battery pack.
60-4077 ..... **89.95**

R-C Power Components

(1) **(1) Racing Battery Pack Charger.** Recharges pack in 4-5 hours. UL listed AC.
23-231 ..... **9.95**



(2) **(2) Rechargeable 7.2V Ni-Cd Battery Pack.** Only 320 grams for high speed! **23-230** **24.95**



(3) **(3) New! DC Fast-Charger.** Connects to auto battery. Quick 20-minute charging time.
23-232 ..... **29.95**

Micronta® Digital Multimeters and Accessories

Benchtop/Portable. Our finest! Big LCD display plus 31-segment peak-reading bargraph. Autoranging or manual operation, transistor gain checker with front-panel pin socket and clip leads, separate diode-check mode for safely testing semiconductor junctions, continuity sounder and data hold (memory). Measures to 1000 volts DC, 750 volts AC, 10 amps AC and DC current, 30 megohms resistance. Input: 10 megohms on DCV/ACV ranges. Fused/overload protected. $2^{11}/_{16} \times 8 \times 4^{3}/_{4}$". Requires 4 "C" batteries. **22-195** **99.95**

NEW! 30-Range DVM With Capacitance and Transistor Gain Measurement. Timesaving extra functions! Front panel has low-resistance sockets for transistor and capacitor tests. Easy-to-read 0.5" LCD display with low-battery indicator, diode-check mode, continuity sounder. Measures to 1000 VDC and 750 VAC in five ranges each, 10 amps AC/DC current in four ranges each, 20 megohms resistance in six ranges, 20 µF capacitance in five ranges, and transistor gain. $7^{1}/_{16} \times 3^{1}/_{8} \times 1^{3}/_{8}$". Requires 9V battery. **22-194** **79.95**

Foldup With Autoranging. You select function, the meter sets the correct range automatically. Automatic power-off when folded saves batteries. Features continuity sounder, LCD display, range-hold switch to override autoranging, diode-check mode, and probe storage compartment. Hinge has detent "stops" for best viewing angle. Measures to 1000 VDC, 500 VAC, 10 amps AC/DC current, 2 megohms resistance. Fused, overload protected. Open, $10^{7}/_{8} \times 5^{5}/_{8} \times 1^{1}/_{2}$". Requires 2 "AA" batteries. **22-193** **69.95**

Super-Values in Compact Digital Multimeters

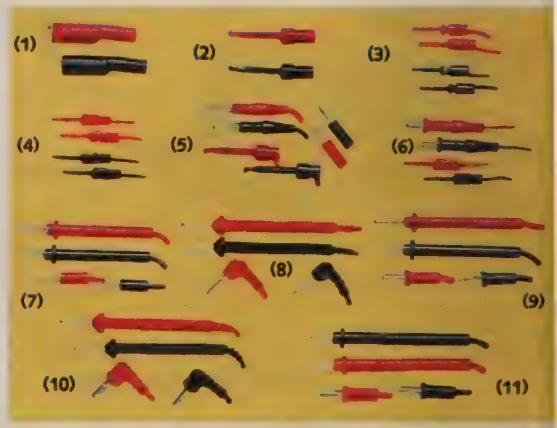
(1) 23-Range. 10-meg input, diode-check, continuity sounder. Measures to 1000 VDC in five ranges, 750 VAC in four ranges, 10 amps AC/DC current—four ranges each, 30 megohms in six ranges. $6^{1}/_{16} \times 3^{1}/_{16} \times 1^{1}/_{4}$". Requires 4 "AA" batteries. **22-185** .. **59.95**

(2) Compact Autoranging. Diode-check, autopolarity, low-battery indicator. Measures to 1000 VDC, 500 VAC, 200 mA DC current, 2 megohms resistance. Fused, overload protected. $4^{7}/_{8} \times 2^{13}/_{16} \times 1^{1}/_{4}$". Requires 2 "AA" batteries. **22-188** **36.95**

(3) Pocket Autoranging. Continuity sounder. Measures to 400 volts AC/DC, 2 megohms resistance. With probes, batteries, folding case. $4^{1}/_{4} \times 2^{1}/_{8} \times {}^{5}/_{16}$". **22-171** **24.95**

(4) Autoranging Probe-Style. It's great for tight spaces. Data hold freezes display and lets you remove tester for easy reading. Autopolarity, continuity sounder, low-battery indicator. Measures to 400 volts AC/DC and resistance. Overload protected. $1^{3}/_{16} \times 6^{3}/_{8} \times {}^{3}/_{4}$". With batteries and case. **22-165** **39.95**

Test Leads, Adapters and Jumpers



(1) 'Gator Adapters. Slip over probe tips. **270-354** **Pair/1.89**
(2) Mini-Hook Adapters. Fit probe tips. **270-334** **Pair/2.59**
(3) Mini-Clip Jumpers. 20" long. **278-016** **Pair/3.99**
(4) Micro-Clip Jumpers. 20" long. **278-017** **Pair/3.49**
(5) Mini-Clip Test Leads. 48" long. Mini clip at one end. Banana plug at other end for tester. With pin plug adapters. **278-1160, Pair/3.99**
(6) Micro-Hook Leads. $18^{1}/_{2}$" long. Spring-action "grabber" hook to standard banana plug for tester. **278-018** **Pair/3.49**
(7) Pin-Plug Leads. 36" long. Pin-type plugs. **278-705** .. **Pair/1.99**
(8) Test Leads With 90° Pin Plug. 36" long. **278-712** ... **Pair/2.49**
(9) Banana-Plug Test Leads. 36" long. **278-704** **Pair/3.19**
(10) Leads With 90° Banana Plug. 36" long. **278-713** .. **Pair/3.19**
(11) Coiled 6-Foot Banana Plug Test Leads. 278-750 ... **Pair/4.79**

ALL MICRONTA MULTIMETERS INCLUDE COLOR-CODED TEST LEADS AND EASY-TO-UNDERSTAND OWNER'S MANUALS

Dependable Analog-Type Micronta Multitesters

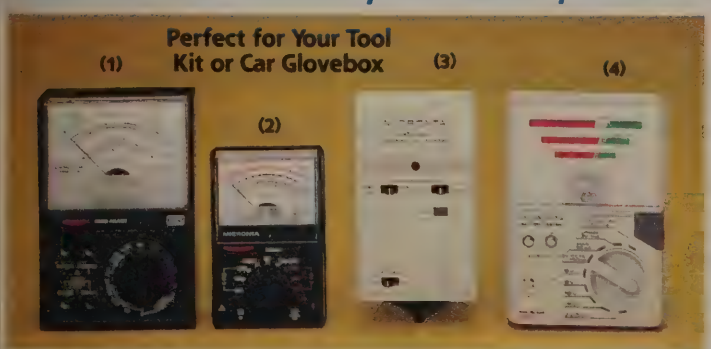
Extra Features and Versatility!

FET-Input. Incredible 10-megohm input sensitivity in this rugged, low-cost tester. Operates like a solid-state VTVM, allowing you to test critical circuits with a minimum of loading from the meter. Features jumbo 5" tricolor scale, continuity sounder. Measures to 1000 volts DC in seven ranges, 1000 volts AC in five ranges, 10 amps DC current in five ranges, 100 megohms resistance in five ranges and −20 to +62 decibels in five ranges. Fuse protected. 7 1/16 × 5 1/2 × 2 3/4". Requires one 9V, one "C" battery. **22-220** **49.95**

Range-Doubler. 50,000 ohms-per-volt DC sensitivity. Range-doubler switch instantly multiplies resolution on voltage and current ranges. Continuity sounder. The 125 mV and 25 µA low-DC ranges make this meter ideal for testing solid-state circuits. Measures to 1000 volts DC in 12 ranges, 1000 volts AC in eight ranges, 10 amps DC current in 10 ranges, 20 megohms resistance in four ranges, and −20 to +62 decibels in eight ranges. 6 11/16 × 4 7/8 × 2 3/8". Requires one 9V, one "AA" battery. **22-214** **39.95**

Foldup 25-Range. 20,000 ohms-per-volt DC sensitivity. Mirrored tricolor 4" meter has shunt protection when case is shut. Measures to 1200 volts DC in seven ranges, 1200 volts AC in five ranges, 300 mA DC current in four ranges, 2 megohms resistance in four ranges, and from −20 to +63 decibels in five ranges. Open, 7 1/4 × 4 5/16 × 1 1/4". Requires "AA" battery. **22-211** **29.95**

Multitesters, Continuity and Battery Testers



(1) 18-Range Multitester. 20,000 ohms-per-volt DC sensitivity. 3" meter with color-coded, mirrored scale. Measures to 1000 volts DC in five ranges, 1000 volts AC in four ranges, 250 mA DC current in two ranges, 2 megohms resistance in three ranges, −20 to +62 decibels in four ranges. 5 1/8 × 3 1/2 × 1 7/16". Requires "AA" battery. **22-201** **19.95**

(2) Pocket Multitester. 2000 ohms-per-volt DC sensitivity. Measures to 1000 volts AC/DC in six ranges, 150 mA DC current and 100,000 ohms resistance. 3 1/2 × 2 1/4 × 1 1/4". Requires "AA" battery. **22-212** **12.95**

(3) Latching Continuity Tester. Perfect for testing security system wiring, switches and sensors. Latching mode continues to indicate faults until you press reset button—spots intermittents you would miss with ordinary testers. Latch mode indicates both opens and shorts—a Radio Shack exclusive. Momentary mode works like a standard continuity tester. Features LED and buzzer indicators, fast one millisecond response time. *Not for use in live circuits.* 4 1/2 × 2 3/4 × 1 1/16". Requires 9V battery. **22-110** **16.95**

(4) Deluxe Battery Tester. Tests your batteries under load condition. For carbon-zinc, alkaline, mercury, silver oxide, lithium and rechargeable nickel-cadmiums. Ranges: 1.5 volts (1-150 mA), 3, 6, 9, 12, 15 and 22.5 volts. 1 3/4 × 3 1/2 × 5 1/4". *For battery tests only.* **22-032** **12.95**

Accessories for Your Tester

(1) NEW! Soft Carrying Case. Great for Radio Shack #22-220, #22-214, other larger testers. Plenty of room for tester, leads, manual, extra fuses and batteries. **22-149** **7.95**

(2) Using Your Meter. Filled with "whats, whys and hows" of electrical test measurements. 128 pages. **62-2039** ... **3.95**

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49.95

Measures AC Current Without Direct Connection to Circuit

Also measures AC voltages with included leads. Lock-switch freezes pointer so you can remove meter for easy reading. Inductive pickup/×10 multiplier (shown in inset) lets you check devices with an AC power cord and perform low-current tests. Measures to 300 amps AC in five ranges, 600 volts AC in two ranges. 4 × 2 × 3/8". **22-161** **49.95**

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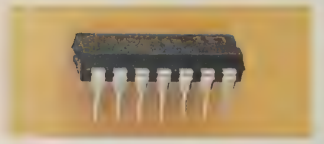

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LS7210 Long-Delay Timer. Range from 6 ms to infinity. 14-pin DIP. **276-1307** **4.99**
TLC555. CMOS timer with pinout of 555. Operates to 2 MHz. 8-pin DIP. **276-1718** **1.39**
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556 Dual Timer IC. 14-pin DIP. **276-1728** **1.49**

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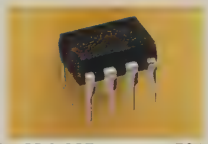

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Super test amp. Also ideal for computer voice/music synthesis. High-gain IC circuit. 1/8" earphone and input jacks. 3 3/8 × 3 3/16 × 1 3/4". Requires 9V battery. **277-1008** ... **11.95**

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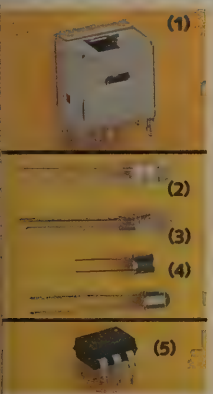

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(1) IR Detector Module. Greatly simplifies design of infrared receiver circuits. Module combines IR detector, amp, limiter, bandbass filter, demodulator, integrator and comparator—in a board-mountable $^5/_8 \times ^1/_2 \times ^{19}/_{32}$" package. Operates on 5VDC. With data. **276-137** **3.49**

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(4) IR Pair. Matched LED transmitter and sensitive phototransistor detector. **276-142** . . . . . **Pair 1.99**

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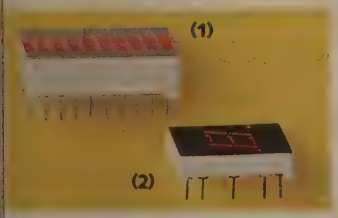
LED Bargraph and Digital Display Values



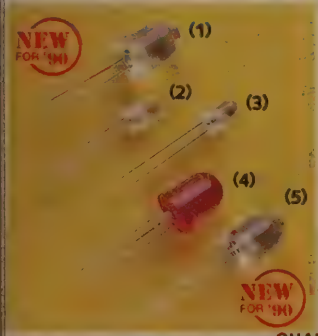
2.99

(1) 10-Segment LED Display. Ideal meter for audio and other circuits. Fits 20-pin DIP socket. **276-081** **2.99**

1.79

(2) 7-Segment Digital Display. Fits 14-pin DIP socket. 0.3". Left or right decimal. Common cathode. **276-075** **1.79**

Attention Getters! Big and Bright LEDs



(1) NEW! Jumbo 5000 mcd Red LED. Big, bright and cool. It's almost unbelievable! **276-086** **4.99**

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(4) Jumbo Red LED. Two LED elements in a 10 mm diameter housing. **276-065** **1.39**

(5) NEW! Blinking High-Intensity Red LED. 10 mm diameter GaAlAs device with 1200 mcd output. 8° viewing angle. Rated approx. 40 mA at 1.7VDC. **276-020** **3.99**

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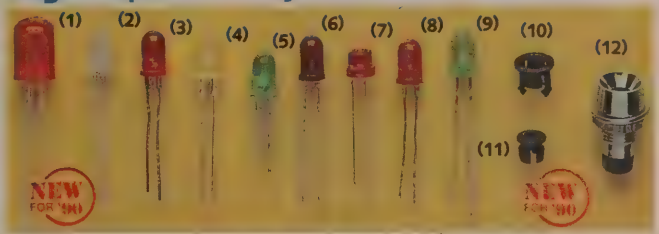

(1) NEW! Tombstone. Efficient 8 mm red LED. Easily stacked. 30 mA at 2VDC. **246-046** . . . . . **99¢**

(2) Dual-Color. Provides red or green output depending on circuit polarity. T-1 3/4 size. **276-012** **1.19**

(3) Jumbo Reds. T-1 3/4 case size. **276-041** . . . . . **Pkg. of 2/69¢**

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(5) Jumbo Green. **276-022, 2/79¢**

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(7) TLR-107 Brilliant Reds. Mount in 3/16" hole. **276-033, Pkg. 2/89¢**

(8) Blinking Red. IC driver and LED in a T-1 3/4 case. **276-036** **1.29**

(9) Blinking Green. **276-030, 1.29**

(10) T-1 3/4 LED Holders. Snap into 1/4" holes. **276-079** . . . **Pkg. 5/59¢**

(11) NEW! Snap-In Holders. For T-1 LEDs. **276-078** . . . . . **Pkg. of 5/59¢**

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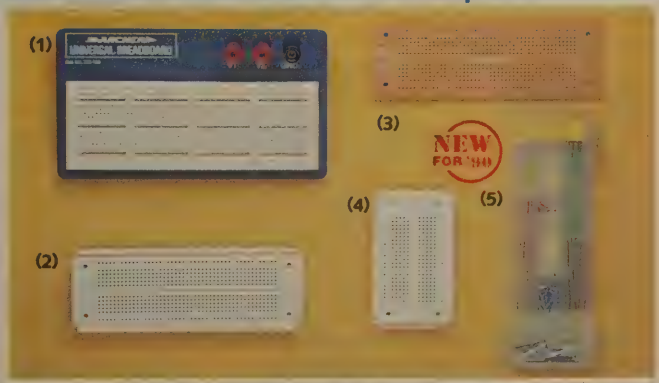
Solderless Breadboards for Experimenters



The fast way to design your own circuits! Our breadboards accept a wide variety of devices and make circuit changes as easy as plugging and unplugging wires. When your circuit is working properly, it's simple to transfer it to the matching experimenter's PC board for a soldered, permanent version.

(1) Universal Breadboard. Our finest! This 2 1/4 × 6 1/2" molded board is mounted on a 7 × 4" "stay put" steel base with rubber feet. Accepts DIPs, discrete components and jumper wires (Fig. 5 recommended). Provides a total of 640 plug-in tie points and has three binding posts for external power connections. Will provide many years of service. Excellent value! **276-169** **19.95**

(2) Modular IC Breadboard Socket. Low-resistance silver-nickel conatcts. Features two bus strips and 550 indexed connection points. Modular—you can attach more sockets horizontally or vertically for more complex designs. 2 1/8 × 6". **276-174** **11.95**

(3) Matching Printed Circuit Board. Layout matches modular breadboard sockets shown in this section. Features 550 predrilled, indexed connection points. 2 1/16 × 5 7/16 × 1/16". **276-170** **2.79**

(4) Modular IC Breadboard Socket. Smaller version of Fig. 2 with 270 indexed connection points. 2 1/8 × 3 5/8 × 1/16". **276-175** **7.49**

(5) NEW! Jumper Wire Kit. Speeds building with any of the boards shown here and most other b-board systems. Includes 140 insulated, pre-stripped wires—10 each of 14 different lengths—in a handy, snap-shut plastic box. Designed especially for breadboarding. Prevents damage caused by using wires of the wrong diameter and type. **276-173** . . . . . **Set 4.95**

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16.95 Probe **17.95** Pulser

(1) Digital Logic Probe With Beeper. The fast way to "peek inside" TTL, LS and CMOS digital circuits, memory, microcomputers and peripheral chips. Color-coded LEDs indicate hi/low/pulsed logic states (up to 10 MHz). Simultaneous tone output. Switches for normal or pulse modes, CMOS or TTL/LS testing. Input: 100,000 ohms. Minimum detectable pulse width: 50 ns. 4.7 to 15VDC. Powered by tested circuit. **22-303** **16.95**

(2) Digital Logic Pulser. Together, the Pulser and Probe make an effective diagnostic team for today's digital circuits. Produces single 5 µs pulse or a continuous 5 Hz pulse train. Overload protection and low output impedance. 4.7 to 15VDC. Powered by tested circuit. **22-304** **17.95**

Line Driver ICs For Data Transfer

1.29 Each — **Send/Receive Peripheral Data**

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MC1489 RS232 Quad Line Receiver. Use with above. Performs logic-level translation. Multiple outputs. 14-pin DIP, data. **276-2521** **1.29**

4000 Series Digital CMOS ICs

With Pin-Out And Specs — **Low As 99¢**

Description	Type	Cat. No.	Each
Quad 2-Input NOR Gate	4001	276-2401	.99
Quad 2-Input NAND Gate	4011	276-2411	.99
Dual Type-D Flip Flop	4013	276-2413	1.19
Decade Counter/Divider	4017	276-2417	1.49
Inverting Hex Buffer	4049	276-2449	1.19

TTL Digital ICs

With Pin-Out and Specs — **Low As 89¢**

Description	Type	Cat. No.	Each
Quad 2-Input NAND Gate	7400	276-1801	89
Hex Inverter	7404	276-1802	.99
BCD to 7-Seg. Driver	7447	276-1805	1.69
Div. by 2/5 BCD Counter	7490	276-1808	1.19

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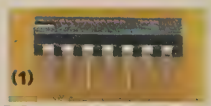
Includes Data, Pin-Out



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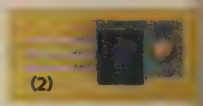


Adjustable Regulators. Ideal for variable DC power supplies or wherever a regulated nonstandard DC voltage is required.

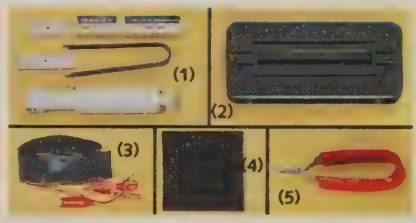
(1) LM723. Adjustable from 2 to 37VDC. 150 milliamps maximum. 14-pin DIP. **276-1740** ..... **99¢**

(2) LM317T. Adjustable from 1.2 to 27VDC output. Heat sink such as #276-1363 is required for maximum current rating of 1.5 amps. TO-220 case. **276-1778** **1.99**

(2) Fixed Regulators. Feature built-in overload protection and thermal shutdown. Maximum input: 35VDC. Heat sink (#276-1363) is required for full 1 amp current rating. TO-220 cases.

Type	Output VDC	Cat. No.	Each
7805	+ 5	276-1770	1.19
7812	+ 12	276-1771	1.19
7815	+ 15	276-1772	1.19

The Proper Tools Are a "Must" When Working With Delicate ICs



(1) IC Inserter/Extractor Set. Install and remove 6-pin to 40-pin DIPs without damage. Extractor works with LSI, MSI and DIP devices. Both tools are groundable. **276-1581** **6.95**

(2) IC Pin Aligner. With just a squeeze bent pins become factory-straight. For 6-pin to 40-pin DIPs. Groundable. **276-1594** **3.49**

(3) Static-Draining Wrist Strap. 24" ground lead with clip. **276-2397** **3.29**

(4) Conductive Foam Mat. 5 × 5". For bench, storing or shipping. **276-2400** **1.29**

(5) Heat Sink for Soldering. Essential for safe soldering of semiconductors and low-power passive components. **276-1567** **1.39**

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Low As 99¢

6-Amp Silicon Controlled Rectifiers (SCRs). Ideal for motor speed control. With data.

Voltage	Cat. No.	Each
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400	276-1020	1.19

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We have a complete line of components of all types, including diodes. See page 124 for information about our parts "Hotline".

1N914/4148. Silicon Switching type. 75 PIV. **276-1122** ..... **Pkg. of 10/99¢**

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Top-Quality Diode Rectifiers

(1) Micromini 1-Amp Diodes. 30-amp surge.

Type	Peak Inverse Voltage (PIV)	Cat. No.	Package of 2
1N4001	50	276-1101	.49
1N4003	200	276-1102	.59
1N4004	400	276-1103	.69
1N4005	600	276-1004	.79

(2) 3-Amp "Barrel" Diodes. 200-amp surge.

Type	PIV	Cat. No.	Package of 2
1N5400	50	276-1141	.99
1N5402	200	276-1143	1.19
1N5404	400	276-1144	1.29

PTC205 2.5-Amp, 1000 PIV Silicon Diodes. Excellent for high-voltage, high-current power supplies. 1/4 × 3/16". **276-1114** ..... **Pkg. of 3/1.49**

Full-Wave Bridge Rectifiers

(1) 4-Amp Rectifiers

PIV	Cat. No.	Each
50	276-1146	1.39
100	276-1171	1.59
400	276-1173	1.99

Our full-wave bridge rectifiers are ideal for building power supplies or for replacement.

(2) 1-Amp, 50 PIV. Rated 25 amps. For PC board or socket mounting. Two fit into a 14-pin DIP socket. **276-1161** ..... **89¢**

(3) 25-Amp, 50 PIV. Metal case for maximum heat dissipation. Square. **276-1185** **2.69**

(4) 8-Amp, 250 PIV. 276-1181 ..... **2.19**

(5) 1.5-Amp, 100 PIV. 276-1152 ..... **1.19**

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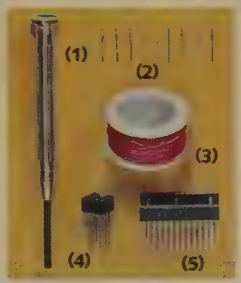
Wire Wrapping



(1) Wire-Wrapping Tool. Makes solid wrap connections faster than soldering. Strips, wraps and unwraps 30-gauge wire. **276-1570** **6.95**

(2) Wire-Wrapping Posts. Insert and securely lock into standard perforated and PC boards. Accept three levels of wrap 0.025" square. **276-1987** ..... **Pkg. of 20/99¢**

(3) 30-Gauge Wire. 50-foot spools. **Each 2.39**

Color	Cat. No.	Color	Cat. No.	Color	Cat. No.
Red	278-501	White	278-502	Blue	278-503

(4) (5) Wire-Wrapping Sockets. Square 0.025" posts accept three levels of wire.

Pins	Cat. No.	Price	Pins	Cat. No.	Price
8	276-1988	2/1.39	16	276-1994	2/1.59
14	276-1993	2/1.49	28	276-1983	1.39

Horizontal Out and Power Device

Low As 1.99

(1) 2SC1308. High-voltage NPN type transistor used as horizontal output in many TVs. Replaces ECG-238, GE-38 and SK-3115. TO-3 case. **276-2055** **6.95**

(2) IRF-511 Power MOSFET. Ideal for switching-type power supplies. Handles up to 60VDC, 3 amps. "On" resistance only 0.6 ohm. TO-220 case. **276-2072** **1.99**

Mounting Accessories for Power Semiconductors

Low As 79¢

(1) TO-220 Heat Sink. For PC board mounted power semiconductors. **276-1363** ..... **79¢**

(2) Mounting Hardware. For TO-3 case. With screws, insulating washers, solder lug, bushings. **276-1371** ..... **Set 99¢**

Mounting Hardware for TO-220 Case. **276-1373** ..... **99¢**

(3) Heat Sink Grease. 6.5 grams. **276-1372** **1.59**

We Can Replace Over 60,000 Transistor Types

Includes Data, Pin-Out

Refer to Semiconductor Reference Guide (above) for a complete cross-reference.

Direct mmercial uivalent	Replaces* GE† Type GE	Sylvania† Type ECG	RCA† Type SK	Pol.	Use	Diss.	Case	Cat. No.	Each
S2222A	20	123A	3122	NPN	GP	500mW	TO-92	276-2009	.59
S3904	20	123A	3122	NPN	SW	350mW	TO-92	276-2016	.59
31	66	152	3054	NPN	P	40W	TO-220	276-2017	.99
3015	241	130	3027	NPN	P	90W	TO-220	276-2020	1.59
S2907	82	159	3025	PNP	SW	400mW	TO-92	276-2023	.59
E34	34	197	3084	PNP	P	90W	TO-220	276-2027	1.49
3053	241	128	3024	NPN	P	5W	TO-39	276-2030	.79
120	...	261	3180	NPN	D	65W	TO-220	276-2068	1.29
3055	14	181	3027	NPN	P	115W	TO-3	276-2041	1.99
2955	74	219	3335	PNP	P	150W	TO-3	276-2043	1.99
4401	20	123AP	3444	NPN	SW	350mW	TO-92	276-2058	.49

N-Channel Field-Effect Transistors (FETs)

Direct mmercial quivalent	Use	Diss.	gfs min/max mhos	Case	Cat. No.	Each
N3819	GP	360mW	2.0/6.5	TO-92	276-2035	.79
MPF102	VHF Amp, Mixer	310mW	...	TO-92	276-2062	.79

most circuits. See prod- package for exact de- specs.

D = Darlington
GP = General Purpose

P = Audio Amp, Switch
SW = Switch
NOTE: Parameters: 25° C.

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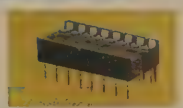
IC Sockets for Use With Printed Circuit Boards

20-Position Single In-Line Socket. SIP ICs allow denser packing of components, take up less surface area on a PC board. **276-1975** **1.49**

Type	Cat. No.	Pkg. of 2
8-Pin	276-1995	.59
14-Pin	276-1999	.89
16-Pin	276-1998	.99

Low As 49¢

Non-Wicking Solder-Type



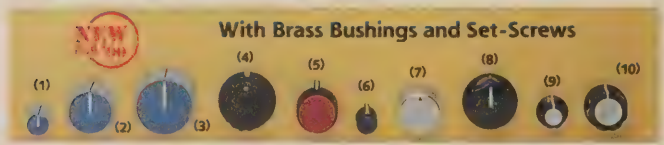
DIP Sockets

Type	Cat. No.	Each
18-Pin	276-1992	.49
20-Pin	276-1991	.59
24-Pin	276-1989	.79
28-Pin	276-1997	.89
40-Pin	276-1996	.99

†GE IS A TRADEMARK OF GENERAL ELECTRIC CO. ECG IS A TRADEMARK OF PHILIPS ECG. SK IS A TRADEMARK OF RCA CORP.

Headquarters for Knobs, Resistors and Controls

Control Knobs for ¼"-Diameter Shafts



NEW! Two-Color. Feature gray base and blue cap, knurled grip finish.

Fig.	Depth	Diameter at Base	Cat. No.	Pkg. of 2
1	11/16"	19/32" (15mm)	274-428	1.79
2	3/4"	13/32" (28mm)	274-429	2.19
3	13/16"	17/16" (36mm)	274-430	2.59

(4) Communications. 1½" diameter by 11/16" Feature knurled grip and grooved pointer.
274-402 . . . . . **Pkg. of 2/1.19**

(5) Red Insert. 1" dia. by 5/8". Adds a modern look to any project. Use with blue insert style, below, to color-code your controls.
274-433 . . . . . **Pkg. of 2/1.29**

(6) Blue Insert. ½" diameter by 9/16" deep. Color-matched to our popular #270-220-series of blue enclosures.
274-403 . . . . . **Pkg. of 2/99¢**

(7) Contemporary. 1" diameter by 5/8". Metal over plastic construction with handsome engraved finish. A perfect choice for tuning and volume controls. **274-424** . . . . . **Pkg. of 2/2.19**

(8) Hexagon. Approximately 1¼ by 5/8". **274-407** . . . . . **Pkg. of 2/1.29**

(9) Hexagon With Aluminum Insert. Indexed. ¾ × 7/16".
274-415 . . . . . **Pkg. of 4/1.69**

(10) 1 × 9/16" Version of Above. Indexed. **274-416** . . . . **Pkg. of 4/1.99**

PC-Mount MicroPots

49¢ Each

NEW FOR '91!

High-quality horizontal-style, carbon-film trimmer pots. 0.1 watt, 50VDC.

Ohms	Cat. No.	Ohms	Cat. No.
1k	271-280	47k	271-283
4.7k	271-281	100k	271-284
10k	271-282	...	...

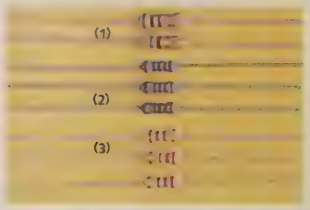
Vertical-Style PC-Board Pots

69¢ Each

Rated ¼ watt. 260° rotation.

Ohms	Cat. No.	Ohms	Cat. No.
500	271-226	50k	271-219
1k	271-227	100k	271-220
5k	271-217	1 meg	271-229
10k	271-218	...	...

Resistor Assortments



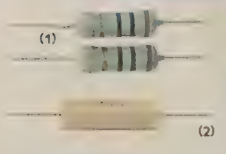
(1) ¼-Watt Precision Metal Film. 1% tolerance. 50-piece set with 12 popular values. **271-309** . . . . . **Set 2.99**

(2) ¼-Watt Carbon. 5% tolerance. 100-piece set with 13 popular values. **271-308** . . . . . **Set 2.99**

(3) ¼-Watt Carbon Film. 5% tolerance. Jumbo 500-piece set with 54 popular values. **271-312** . . . . . **Set 7.95**

½-Watt Carbon. 10%. 100 pieces. 21 values. **271-306** . . . . . **Set 3.49**

Metal-Oxide and Non-Inductive



Low As **29¢**

(1) Metal-Oxide. One watt. 5%.

Ohms	Cat. No.	Each
10	271-151	.29
100	271-152	.29
1000	271-153	.29

(2) 8-Ohm Non-Inductive. 20 watts. 5% tolerance. **271-120** **1.39**

Wirewounds

10% Tolerance

Watts	Ohms	Cat. No.	Price
2	10.0	271-080	2/.99
5	0.47	271-130	Ea./.49
10	1.0	271-131	2/.99
10	10.0	271-132	2/.99
10	50.0	271-133	2/.99
10	100.0	271-135	2/.99

½-Watt Resistors 19¢ Pkg. of 2

Ohms	Cat. No.	Ohms	Cat. No.	Ohms	Cat. No.
10	271-001	180	271-014	1.2k	271-024
15	271-003	220	271-015	1.5k	271-025
22	271-005	270	271-016	2.2k	271-027
33	271-007	330	271-017	3.3k	271-028
47	271-009	390	271-018	3.9k	271-029
68	271-010	470	271-019	4.7k	271-030
82	271-011	560	271-020	5.6k	271-031
100	271-012	680	271-021	10k	271-034
150	271-013	1k	271-023	15k	271-036

10% Tolerance

Ohms	Cat. No.
22k	271-038
33k	271-040
47k	271-042
100k	271-045
220k	271-049
470k	271-053
1 meg	271-059
2.2 meg	271-061

¼-Watt Resistors 39¢ Pkg. of 5

Ohms	Cat. No.	Ohms	Cat. No.	Ohms	Cat. No.
10	271-1301	470	271-1317	15k	271-1337
100	271-1311	1k	271-1321	22k	271-1339
150	271-1312	2.2k	271-1325	33k	271-1341
220	271-1313	3.3k	271-1328	47k	271-1342
270	271-1314	4.7k	271-1330	100k	271-1347
330	271-1315	10k	271-1335	220k	271-1350

5% Tolerance

Ohms	Cat. No.
470k	271-1354
1 meg	271-1356
10 meg	271-1365

Trimmer 12-Pack

1.98 Assorted Styles

Sensational value! This set of 12 may include wirewounds and multiturns in a variety of values. Stock up!
271-1605 . . . . . **Set 1.98**

Thermistor

1.99 High Precision

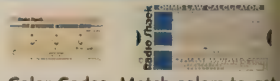
Converts temperatures to proportional resistances. −50 to +110° C range. 10k-ohm resistance at room temperature (25° C).
271-110 . . . . . **1.99**

15-Turn Trimmers

1.49 Each

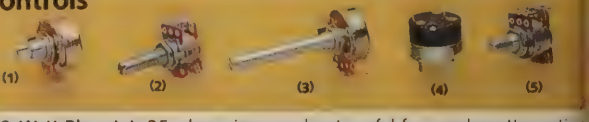
PC-mount style. Rated ¾ watt and 10% tolerance.
1k Ohm. 271-342 . . . . . **1.49**
10k Ohm. 271-343 . . . . . **1.49**
20k Ohm. 271-340 . . . . . **1.49**

Pocket Guides (2)



(1) Color Codes. Match colors to get accurate readout of resistor, capacitor, inductor values. **271-1210** . . . . . **69¢**
(2) Ohm's Law/Parallel Resistance.
271-1211 . . . . . **59¢**

Controls



(1) 2-Watt Rheostat. 25-ohm wirewound pot useful for speaker attenuation and fine circuit adjustment. Tolerance ± 20%. Rated 2 watts continuous, 5 watts intermittent. **271-265** **2.99**

(2) 100k Stereo Control. Two ganged pots with smooth, precise "feel". ½" long, ¼" dia. shaft. 40% loudness tap. ⅜" mtg. hole. **271-1732** **1.99**

(3) Potentiometers. With a ¼" dia. shaft. Mount in a 5/16" hole. **Each 1.09**

Audio Taper

Ohms	Cat. No.	Each
5k	271-1720	1.09
10k	271-1721	1.09
100k	271-1722	1.09
...	...	...
...	...	...

Linear Taper

Ohms	Cat. No.	Each
5k	271-1714	1.09
10k	271-1715	1.09
50k	271-1716	1.09
100k	271-092	1.09
1 meg	271-211	1.09

(4) SPST Pot Switch. On/off switch mounts on rear of potentiometers in charts above and many others. Rated 3 amps at 120 VAC. With instructions.
271-1740 . . . . . **69¢**

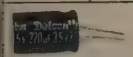
(5) 10,000-Ohm Audio Pot With SPDT Switch. Mini size with ¼" dia. shaft. Switch rated 3 amps at 30 VDC. Fits 5/16" hole. **271-215** **1.99**

Archer® Capacitors for Projects and Replacement

Electrolytics

Axial Type Low As **49¢**

µF	WVDC	Cat. No.	Each
4.7	35	272-1012	.49
10	35	272-1013	.59
22	35	272-1014	.69
47	35	272-1015	.69
100	35	272-1016	.79
220	35	272-1017	.89
470	35	272-1018	.99
1000	35	272-1019	1.59
2200	35	272-1020	2.49
4700	35	272-1022	3.59
1000	50	272-1047	1.99
2200	50	272-1048	3.49



Radial Type

µF	WVDC	Cat. No.	Each
220	16	272-956	.79
470	16	272-957	.89
1000	16	272-958	.99
4.7	35	272-1024	.49
10	35	272-1025	.59
22	35	272-1026	.69
47	35	272-1027	.69
100	35	272-1028	.79
220	35	272-1029	.89
470	35	272-1030	.99
1000	35	272-1032	1.59
100	50	272-1044	.89

on-Polarized

ctrolytics for speaker crossovers d audio filters. Rated 50 WVDC.

Low As **79¢**

	Approx. Crossover Frequency (8 ohms)	Cat. No.	Each
0	10 kHz	272-996	.79
2	8 kHz	272-997	.79
7	4 kHz	272-998	.89
0	2 kHz	272-999	.99

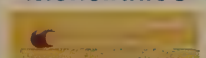
Tantalums

Low As **59¢**

High capacity in a small package. IC pin spacing. 20% tolerance.

µF	WVDC	Cat. No.	Each
0.1	35	272-1432	.59
0.47	35	272-1433	.59
1.0	35	272-1434	.59
2.2	35	272-1435	.69
10	16	272-1436	.79
22	16	272-1437	1.19

Monolithic 5-Pack



1.79

0.1 µF Monolithic Ceramic Capacitors. Rated 50 WVDC. High capacity in a small size—ideal for cleaning up noise in IC circuits.
272-109 . . . . . **Pkg. of 5/1.79**

Disc Assortment

1.98 Set Of 100

Includes NPOs, Hi-Qs, N-750s, ceramics. Up to 1000 WVDC.
272-801 . . . . . **Set of 100/1.98**

Electrolytic Kit

1.98 Set Of 20

Includes minis and subminis in assorted values. Up to 50 WVDC.
272-802 . . . . . **Set of 20/1.98**

PC Mounting

Low As **59¢** Pkg. Of 2

50 WVDC

µF	Cat. No.	Pkg. of 2
.01	272-1065	.59
.022	272-1066	.69
.047	272-1068	.69
.1	272-1069	.79
.22	272-1070	.89

Picofarad 50-Pack

2.99

Sensational bargain! Fifty hard-to-find small-value ceramic disc capacitors from 1 to 33 pF. Rated 50 WVDC.
272-806 . . . . . **Pkg. of 50/2.99**

Metal-Film

Low As **49¢**

200 WVDC

µF	Cat. No.	Each
.01	272-1051	.49
.1	272-1053	.69
1.0	272-1055	.99

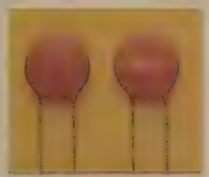
TV Colorburst Crystal

1.69

3.579545 MHz

Precision frequency standard in HC18/W package. Long wire leads. **272-1310** **1.69**

Hi-Q Ceramic Discs



Low As **39¢** Pkg. Of 2

Feature moistureproof coating, excellent temperature stability, and high-Q design for low loss in RF circuits.

.01 µF, 2 kV Disc Ceramic Capacitor. Popular value with a "workhorse" voltage rating. Suitable for demanding jobs—noise bypass in appliances, RF power amplifiers, TV and computer monitor circuits.
272-160 . . . . . **Pkg. of 2/99¢**

pF	WVDC	Cat. No.	Pkg. of 2
4.7	50	272-120	.39
47	50	272-121	.39
100	50	272-123	.39
220	50	272-124	.39
470	50	272-125	.39

µF	WVDC	Cat. No.	Pkg. of 2
.001	500	272-126	.49
.0047	500	272-130	.49
.01	500	272-131	.49
.047	50	272-134	.49
.1	50	272-135	.59

Trimmer Capacitors

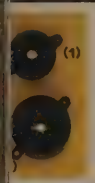
(1) 95-420 pF. Rated 100VDC for one minute. **272-1336** **1.69**
(2) 6-50 pF. Low-level peaking. PC/perfboard-mount. **272-1340, 2/1.59**

Radio Shack Has Buzzers for Alerters, Alarms, Timers and Fun

Tiny Transducer

Use when a speaker is required and space is limited. Only 29/32"-diameter! 0.1 W. 700 to 3000 Hz. 8 ohms. **273-090** . . . **4.99**

Piezo Elements



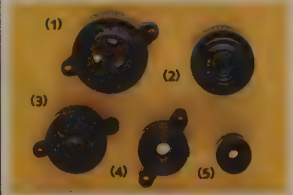
Driver Circuit Required

(1) Piezo Transducer. Two-wire type. 1500 to 3000 Hz. Up to 90 dB. **273-073** **1.49**
(2) Fixed-Frequency. Three-wire type. **273-064** **1.79**

Electromechanical 2.19 12 VDC Buzzer

This super-loud, extra-rugged DC buzzer is ideal for battery circuits. 1 15/16" diameter by 1 1/4" deep. **273-051** **2.19**

Piezo Buzzers



(1) Two-Tone. Loud—100 dB at 2500 Hz. Attenuator vanes. 8 to 16VDC. 130 mA at 12 VDC. **273-070** **9.95**
(2) Pulsing or Continuous. 2800 Hz. 90 dB at 12 VDC. **273-068** **7.95**
(3) Pulsing. 2800 Hz at 95 dB. 3 to 28 VDC. **273-066** **3.99**
(4) With Leads. 85 dB, 3.6 kHz signal. 4 to 28VDC. **273-060** **3.29**
(5) PC-Mount. 78 dB, 2800 Hz. 3-20VDC. **273-065** **2.49**

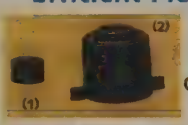
Electronic Buzzers

Low As **2.19**

(1) Pulsing. Piercing 80 dB output with 2 Hz pulse rate. Requires 12 VDC at 20 mA. Mounting holes: 1 1/4" apart. 4 3/4" leads. **273-058** . . . **3.49**
(2) Mini DC Buzzers. Small enough to hide, loud enough to demand attention! 1 1/16" centers. With leads.

DC Voltage	Cat. No.	Each
1½ to 3	273-053	2.19
6	273-054	2.19
12	273-055	2.19

Efficient Piezos



NEW FOR '90

Only 7 mA At 12VDC

(1) Mini PC-Mount. 4.2 kHz. 70 dB at 30 cm. **273-074** **2.99**
(2) Panel-Mount. Pulsing/continuous. 3.5 kHz. 95 dB. **273-075, 6.95**

Doorbell Chime

8.99

"Ding-Dong"

IC and mini-speaker combo is just the thing for door entry alarms. 6 to 18VDC. 80 dB at 12 VDC. 5" leads. **273-071** **8.99**

SEE PAGE 92 FOR INFORMATION ON LARGE QUANTITY DISCOUNTS

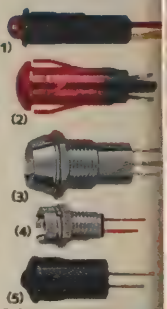
Archer® Replacement Lamps, Holders, Assemblies

Quality Incandescent and Neon Lamps

Premium lamps for projects and replacement in flashlights, dials, pilot lights and panels. Fig. 2, #272-1124, is prefocus type that replaces #222 used in penlights. Fig. 7 is high-intensity. Fig. 9 lamps are neon.

Fig.	Volts	mA	Type	Base	Cat. No.	Pkg. of	Price
1	6.0	100	T-1-¾	E-5 Threaded	272-1142	2	.89
	12.0	75	T-1-¾	E-5 Threaded	272-1143	2	.89
2	2.33	270	243	E-10 Threaded	272-1124	2	.99
	2.47	300	14	E-10 Threaded	272-1132	2	.99
	6.3	150	40	E-10 Threaded	272-1128	2	.99
	6.3	250	46	E-10 Threaded	272-1130	2	.99
	7.5	220	50	E-10 Threaded	272-1133	2	.99
	14.0	200	1487	E-10 Threaded	272-1134	2	.79
3	2.33	270	PR-4	Flange	272-1122	2	.69
	2.38	500	PR-2	Flange	272-1120	2	.99
	3.57	500	PR-3	Flange	272-1121	2	.99
	4.75	500	PR-13	Flange	272-1151	2	.99
	4.8	500	PR-15	Flange	272-1125	2	.99
	4.9	330	PR-17	Flange	272-1167	2	.99
	5.95	500	PR-12	Flange	272-1123	2	.99
	7.2	550	PR-18	Flange	272-1168	2	.99
	8.63	500	PR-20	Flange	272-1166	2	.99
4	6.3	250	44	Bayonet	272-1108	2	.99
	6.3	50	47	Bayonet	272-1110	2	.99
	6.3	150	1847	Bayonet	272-1115	2	.79
	14.0	230	1891	Bayonet	272-1112	2	.79
	14.0	200	1815	Bayonet	272-1118	2	.79
	14.4	120	53	Bayonet	272-1117	2	.79
	28.0	40	1819	Bayonet	272-1119	2	.99
5	8.0	300	T-3	End Cap	272-1136	2	1.69
	12.0	250	T-3	End Cap	272-1137	2	1.69
6	14.0	270	194	Wedge	272-1126	2	.99
	6.3	250	259	Wedge	272-1152	2	.99
7	12.8	1.04A	93	Bayonet	272-1116	1	.99
8	12.0	40	—	Bi-Pin	272-1154	1	1.29
9	120 (Add 220k resistor) NE2 1/25-W Neon				272-1101	2	.69
	120 (Add 22k resistor) NE2H ¼-W Neon				272-1102	2	.69
	120 (With resistor) NE2 1/25-W Neon				272-1100	2	.89

LEDs in Panel-Mount Holders



(1) 12-Volt Red. Built-in resistor. Snaps into a ¼"-diameter hole. 5" hookup leads. **276-011** **1.99**

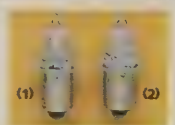
(2) Super-Bright Red. Rated 500 mcd. Requires 2.2VDC at about 20 mA. 11/32" mtg. hole. **276-088** **1.79**

(3) Two-Color. Red or green output. Requires 3VDC at 10 mA per segment. Mounts in ⅜" hole. **276-025** .. **1.49**

(4) 12-Volt Red in Deluxe Chromed Holder. Mounts in a ¼"-diameter panel hole. **276-068** .... **Pkg. of 2/1.89**
Green Version of Above. 276-069 ..... **Pkg. of 2/1.89**

(5) Red Snap-In. Mounts instantly in a 5/16"-dia. hole. 12VDC at 20 mA. **276-018** ..... **Pkg. of 2/1.99**

Halogen Lamps



3.95 Each

(1) HPR50. For 4-cell flashlights and 6-volt lanterns. **272-1189** **3.95**

(2) HPR52. For 2-cell flashlights and 3-volt lanterns. **272-1190** **3.95**

Xenon Strobe Tube

3.29

Long-Life Design

Perfect for replacement or projects. Trigger 4 kV. Anode: 200V min., 300V max. With data.
272-1145 ..... **3.29**

Miniature Lamps

Ideal for Model Railroads, Doll Houses, Projects and Holiday Decorations

(1) With 4" Leads. About 25 mA.

Volts	Cat. No.	Each
1.5	272-1139	.99
6.0	272-1140	.99
12.0	272-1141	.99

(2) 12-Volt Flashing. Set includes one each of red, yellow and green. 95 mA. **272-1097** ..... **Set of 3/1.29**

(3) 6-Volt Colored. One each: red, yellow, green. 60 mA. 4" leads.
272-1098 ..... **Set of 3/89¢**
12-Volt. 272-1099 .... **Set of 3/89¢**

(4) 12-Volt Microlamp. With leads. 60 mA. **272-1092** ..... **Pkg. of 2/1.39**

(5) NEW! Plug-In Lamps for Metal Mini-Flashlights. Hard-to-find replacement lamps for popular all-metal flashlights with focusable lens. 2.5 volts, 300 mA. **272-1149** ..... **Pkg. of 2/2.99**

Brilliant Krypton Flashlight Lamps

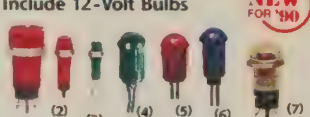
Only 79¢ Each

Standard flange-type base. Can be used to replace PR-type lamps. For example, K4 replaces type PR4.

Type	Volts	mA	Cat. No.
K4	2.33	480	272-1169
K1	2.4	600	272-1156
K2	2.4	830	272-1157
K3	3.6	800	272-1158
K15	4.8	700	272-1162
K12	6.0	650	272-1163
K18	7.2	700	272-1164

Lamp Assemblies

Include 12-Volt Bulbs NEW FOR '90



(1) Jumbo Red. 105 mA. 19/32" mtg. hole. **272-336** .... **Pkg. of 2/2.49**

(2) High-Brightness Red. 9/32" mtg. hole. **272-331** .... **Pkg. of 2/1.59**

(3) Green Micro. 60 mA. 7/32" mtg. hole. **272-334** .... **Pkg. of 2/1.99**

(4) Green Snap-In. ½" mtg. hole. Leads. **272-337** ... **Pkg. of 2/1.69**

(5) Red Snap-In. 272-332, 2/1.79

(6) Blue Snap-In. 272-335, 2/1.79

(7) NEW! With Jewel-Cut "Traditional" Lens. Red lamp. 100 mA. 9/16" mtg. hole. **272-342** **2.49**

Neon Assemblies

For 120-Volt AC/DC Use

(1) Jumbo Red. Mounts in 5/8"-dia. hole. **272-710** **1.99**

(2) Amber. 9/32" mtg. hole. With 3" leads. **272-707** ... **Pkg. of 2/1.79**

(3) Red. With leads. 5/16" mtg. hole. **272-712** ..... **Pkg. of 2/1.99**

(4) Green. With leads. 5/16" mtg. hole. **272-708** .... **Pkg. of 2/2.49**

(5) Red With Square Lens. 7/16" mtg. hole. **272-704** **2/1.79**

(6) Amber With Round Lens. 7/16" mtg. hole. **272-705** **2/1.79**

Lamp Holders

Bulbs not included. Use base style to select bulb from table at above left.

(1) E-10 Base. Wide holder with screw terminals. **272-357** .... **79¢**

(2) E-10 Base. Compact. Mounts on flat surface. **272-356** ..... **99¢**

(3) Bayonet. 272-355 .... **6/99¢**

(4) Bayonet. Includes one red and one blue lens. **272-325** **1.89**

(5) E-5 (T1-¾) Base. For threaded bulbs. **272-326** ... **Pkg. of 2/2.19**

(6) E-5 Base. With 2 red and 2 white lenses. **272-340** ... **Pkg. of 2/1.69**

Fans, Transformers, Jumper Cables and Test Clips

Our Quiet Fans Help Preserve Equipment

End Heat Problems in Computers, Audio Amps and Ham Equipment

12VDC Brushless Micro Fan. Tiny, tough and cient! Great for cooling mobile equipment and m or AC-sensitive circuits. 4.6 CFM airflow. 150 A. $1^9/_{16} \times 1^9/_{16} \times 1^3/_{16}$". **273-244** **16.95**

12VDC Brushless 3" Fan. 27 CFM. Ball bearings. $3^5/_{32} \times 3^5/_{32} \times 1^1/_{32}$". **273-243** **14.95**

(3) 120VAC 4" Fan. Efficient! Powerful 65 CFM airflow. Rated 11 watts. UL recognized. Approximately $4^{11}/_{16} \times 4^{11}/_{16} \times 2^1/_2$". **273-241** . . . **18.95**

(4) 120VAC 3" Fan. 32 CFM. The perfect cooling fan for many computers. Rated 11 watts. UL recognized. $3^5/_{32} \times 3^5/_{32} \times 1^1/_2$". **273-242** **15.95**

RFI Problem Solvers

(1) Snap-Together Toroid Choke Core. Attenuates RFI (radio-frequency interference) transmitted through or picked up by signal and power cables. Easy to install—simply wind cable through core and snap together—no need to remove AC plug or cable termination! Opening: $^7/_8 \times ^3/_8$". Stackable. **273-104** . . . . . **Pkg. of 2/7.95**

(2) 100 µH RF Choke. Rated 2A. **273-102** . . . . **99¢**

UL Recognized Transformers

Primaries 120 VAC
CT Indicates Center Tap

Type	Volts	Current	Size in Inches	Cat. No.	Each
iniature	12.6	300 mA	$2^1/_{16} \times 1 \times 1^3/_{16}$	273-1385	3.49
iniature	12.6 CT	450 mA	$1^7/_{16} \times 2^3/_8 \times 1^1/_2$	273-1365	4.29
iniature	25.2 CT	450 mA	$1^{11}/_{16} \times 2^{15}/_{16} \times 1^1/_{16}$	273-1366	4.79
andard	12.6 CT	1.2 A	$1^{11}/_{16} \times 2^{15}/_{16} \times 1^7/_8$	273-1352	5.99
eavy-Duty	12.6 CT	3.0 A	$2^3/_4 \times 2^1/_4 \times 2$	273-1511	8.39
eavy-Duty	18.0 CT	2.0 A	$2^3/_4 \times 2^1/_4 \times 2$	273-1515	8.99
eavy-Duty	25.2 CT	2.0 A	$2^3/_4 \times 2^1/_4 \times 2$	273-1512	9.49

Hobby Motor

For robotics, projects. 8300 RPM max. $1^1/_2$ to 3VDC. $1^1/_2$" by $^{15}/_{16}$" dia. **273-223** . . **99¢**

Audio Transformers, Inductor Set

(1) 1:1 Audio Transformer. For telephone interconnects, interstage coupling, more. Z: 600 to 900Ω. **273-1374** **3.59**

(2) Audio Output Transformer. 1000-ohm center-tapped primary. 8-ohm secondary. $^3/_4 \times ^5/_8 \times ^5/_8$". **273-1380** **1.69**

(3) Inductor Assortment. 30-piece set! Includes various RF, IF, video peaking coils, chokes, transformers. **273-1601** **1.98**

umper/Test Cables

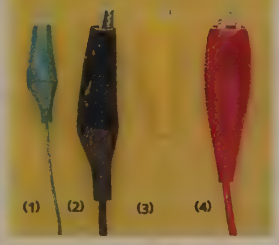
Insulated Clip at Each End

Set of 10. 14" long. Five colors. hi 'gator clips. **278-1156** **3.99**

Set of Four. 30" long. Four colors. ndard 1" clips. **278-001** **3.69**

Set of Eight. 24" long. Four colors. hi 'gator clips. **278-1157** **3.99**

Set of Six Heavy-Duty. 40" long. 6 ors. Claw clips. **278-002** **4.69**



Ideal for car battery hookups. Sets include 1 red, 1 black.

(1) NEW! Jumbo $5^3/_4$" 50-Amp. 270-341 . . **Set of 2/2.99**

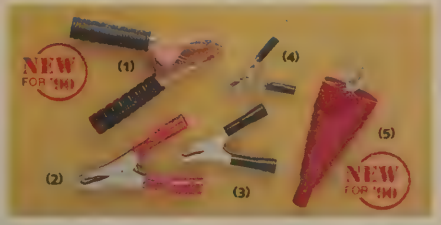
(2) 50-Amp. $4^1/_2$" long. 270-342 . . . . . **Set of 2/2.49**

(3) 30-Amp. $3^3/_8$" long. 270-343 . . . . . **Set of 2/1.99**

(4) 10-Amp. $2^1/_4$" long. 270-344 . . . . . **Set of 2/1.79**

(5) NEW! $5^1/_2$" 50-Amp Claw. 270-340 . . . . . **Set of 2/2.99**

Heavy-Duty Battery Clips



Banana Plugs, Binding Posts, Clips

NEW! Stackable Banana Plugs. Built-in jack allows multiple "chain" nections. Solder type. 1 red, 1 black. **274-734** . . . . . **Set of 2/1.59**

Solderless Banana Plugs. Red, black. **274-721** . . . . . **Set of 2/1.59**

Flex Banana Plugs. Solder. Red, black. **274-730** . . . . **Set of 2/1.69**

Banana Jacks. ¼" mtg. hole. Red, black. **274-725** . . **Set of 2/99¢**

Multipurpose Posts. 2 red, 2 black. **274-661** . . . . . **Set of 4/2.19**

Nylon Binding Posts. 1 red, 1 black. **274-662** . . . . . **Set of 2/1.59**

NEW! Metal Grounding Post. Accepts banana plugs or up to 18-gauge . Knurled twist-to-tighten grip. With solder lug. **274-667** . . . . **99¢**

Micro Flat Test Clips. 1 red, 1 black. **270-336** . . . . . **Set of 2/1.19**

Rainbow Pack of Micro-Hook Clips. 270-355 . . . . . **Set of 4/2.69**

Mini Hook-Type Clips. 1 red, 1 black. **270-372** . . . **Set of 2/1.89**

Assorted Clips

(1) $1^3/_8$" Mini. Includes 6 red and 6 black. **270-1545** . . . . . **Set of 12/2.59**

(2) $1^1/_4$" Mini. 3 black, 3 red, 2 green, 2 yellow. **270-378** . . . . . **Set of 10/1.59**

(3) $2^5/_8$" Heavy-Duty Claw. 10 amps. 2 black, 2 red. **270-349** . . **Set of 4/1.89**

(4) NEW! $1^3/_8$" 5-Amp Claw. 2 black, 2 red. **270-359** . . . . . **Set of 4/1.79**

(5) $1^3/_8$" Micro. Brass plated. 5 red, 5 black. **270-1540** . . . . . **Set of 10/2.49**

(6) $2^1/_4$" Alligator. Screw terms. 5 red, 5 black. **270-347** . . . . . **Pkg. of 10/1.99**

(7) $2^1/_4$" 'Gator. Screw terminals. 5 red, 5 black. **270-375** . . . . . **Set of 10/2.39**

(8) $1^3/_8$" Mini 'Gator. 5 red and 5 black. **270-374** . . . . . **Set of 10/1.49**

(9) NEW! 2" 'Gator. Screw terminals. 2 black, 2 red. **270-356** . . **Set of 4/1.79**

(10) 2" Slim. 270-346 . . . . . **8/2.19**

(11) $1^3/_8$" Claw. 270-345 . . . . **8/1.99**

(12) $1^1/_8$" Micro. 270-373 . . . **10/1.89**

(13) $1^1/_4$" Mini. 270-380 . . . . **12/1.69**

Insulated

Non-Insulated

SEE OUR VALUE-PACKED LINE OF TEST EQUIPMENT AND ACCESSORIES ON PAGES 122-123

Archer® Relays, Game Joysticks and Assortments

Super Selection of Relays—All Include Data and Handy Pin-Out Diagram

Radio Shack has a quality Archer® brand relay for nearly every need. All are enclosed to prevent contamination by dust and moisture. Fig. 8 fits a 14-pin DIP socket.

Fig.	Description	Coil	Contacts and Rating	Size	Cat. No.	Each
1	Plug-In With Socket	12VDC, 75 mA, 150Ω	DPDT, 3A at 125VAC	1 1/4 x 1 x 3/4"	275-206	5.99
2	10-Amp Plug-In	12VDC, 130 mA, 160Ω	DPDT, 10A at 125VAC	1 5/8 x 1 x 3/4"	275-218	5.99
...	10-Amp Plug-In	125VAC, 15 mA, 4500Ω	DPDT, 10A at 125VAC	1 5/8 x 1 x 3/4"	275-217	5.99
...	Socket for Fig. 2	...	...	...	275-220	1.79
3	4PDT Plug-In	12VDC, 130 mA, 150Ω	4PDT, 3A at 125VAC	1 3/8 x 1 1/8 x 13/16"	275-214	5.49
...	Socket for Fig. 3	...	...	...	275-221	1.69
4	5-Amp SPDT Mini	12VDC, 65 mA, 180Ω	SPDT, 5A at 120VAC	7/8 x 1 x 11/16"	275-219	2.49
5	2-Amp SPDT Mini	7-9VDC, 18 mA, 500Ω	SPDT, 2A at 120VAC	3/4 x 3/4 x 9/16"	275-005	2.99
6	10-Amp SPDT Mini	12VDC, 38 mA, 320Ω	SPDT, 10A at 125VAC	9/16 x 25/32 x 5/8"	275-248	2.99
7	1-Amp DPDT Mini	12VDC, 43 mA, 280Ω	DPDT, 1A at 120VAC	7/16 x 3/4 x 1/2"	275-249	3.99
8	2-Amp SPDT DIP	5VDC, 72 mA, 70Ω	SPDT, 2A at 125VAC	3/8 x 9/16 x 3/8"	275-243	2.39
9	1-Amp SPDT Micro	5VDC 90 mA, 55Ω	SPDT, 1A at 125VAC	11/32 x 3/8 x 1/4"	275-240	1.99
...	1-Amp SPDT Micro	12VDC, 37.5 mA, 320Ω	SPDT, 1A at 125VAC	11/32 x 3/8 x 1/4"	275-241	1.99
10	1-Amp SPST Reed	5VDC, 20 mA, 250Ω	SPST, 1A at 125VAC	1 x 5/16" dia.	275-232	1.89
...	1-Amp SPST Reed	12VDC, 11 mA, 1.05kΩ	SPST, 1A at 125VAC	1 x 5/16" dia.	275-233	1.89

Our Add-On Joysticks Improve Your Game

Suction Cups on Base for Easy Tabletop Operation

(1) NEW! Joystick/Enhancer for Nintendo. Just slip standard Nintendo controller inside the Enhancer docking port and blast off with rocket-aircraft style control. Large A and B selectors. **270-1706** **14.95**

(2) NEW! Joystick for Apple/IBM. Features smoooth-tracking stick, high-speed autofiring, free-floating or auto-centering modes. With 15 and 9-pin connectors. IBM XT and Apple IIe/c compatible. **270-1707** **24.95**

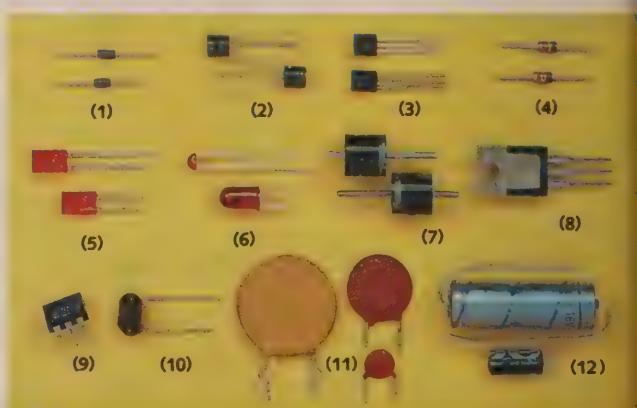
(3) Super-Deluxe Competition Joystick for Nintendo. Autofire switch lets you release a continuous stream of "bullets." **270-1704** **17.95**

(4) Jet Fighter-Style Joystick. Contoured handle. A superior controller for many Atari, Commodore, NEC and Sears games. **270-1701** **10.95**

(5) Super-Deluxe Competition Joystick. Two "fire" buttons on handle plus autofire control. Six microswitch actuators. **270-1703** **14.95**

10-Ft. Extension Cord. For Figs. 3, 4, 5. **270-1705** **5.49**

ArcherPak Assortments! Only $1.98 Each



(1) 50 Switching Diodes. 1N914/4148-type. **276-1620** **1.98**

(2) 15 NPN Transistors. Switching type. 600 mW. **276-1617** **1.98**

(3) 15 PNP Transistors. Similar to 2N3906. **276-1604** **1.98**

(4) 25 Rectifier Diodes. Ten 1N4001s, five 1N4002s, five 1N4004s and five others included. **276-1653** **1.98**

(5) 10 Rectangular LEDs. May include red, green, yellow, regular and high-efficiency types. **276-1655** **1.98**

(6) 20 Assorted LEDs. May include MV-series in red, green, amber, plus IR emitters. **276-1622** **1.98**

(7) 5 Rectifiers. Rated 6 amps, 50 PIV. **276-1661** **1.98**

(8) 5 Voltage Regulators. Includes one 7805, one 7812 and three other types. **276-1660** **1.98**

(9) 3 Optocouplers. Three different types. **276-139** **1.98**

(10) 5 Photocells. CdS photoresistors. Excellent for experiments. Various styles and ratings. **276-1657** **1.98**

(11) 100 Disc Capacitors. May include NPO, Hi-Q, N-750, Mylar and ceramics. **272-801** **1.98**

(12) 20 Electrolytics. Assorted values and styles. **272-802** **1.98**

APPLE, ATARI, COMMODORE, IBM, NEC, NINTENDO AND SEARS ARE REGISTERED TRADEMARKS OF THE RESPECTIVE COMPANIES

Radio Shack is Your Nearby Source of Switches

Panel-Mount Lighted AC Switches

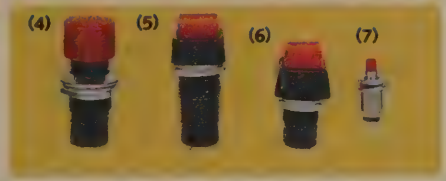
(1) Lighted 125VAC SPST Push-On/Push-Off. 10 amps. For 125VAC use only. 7/16"-diameter stem. **275-671** 3.99

(2) Lighted 125VAC SPDT Push-On/Push-Off. 3A at 125VAC. 12V lamp. 7/16"-diameter stem. **275-676** 6.49

(3) Lighted AC SPST Normally Open/Normally Closed. Rated 5A at 250VAC. Includes 12-volt lamp. 1/8"-diameter stem. UL listed. **275-678** 6.99

Replacement Bulb for Figs. 2 and 3. "Bi-pin" type mini lamp designed for long life. **272-1154** .. 1.29

Push On/Push Off and Momentary



(4) Standard SPST Push On/Push Off. Rated 3 amps at 250VAC. 1/2"-diameter stem. **275-011** ... 1.39
Momentary. N.O. **275-609** ..... **Set of 2/1.79**

(5) SPST Push On/Push Off. Rated 3 amps at 250VAC. 1/2"-diameter stem. **275-617** 1.69
Momentary Version. N.O. **275-618** 1.59

(6) SPST "Soft-Feel" Push On/Push Off. Rated 3 amps at 125VAC. 3/8" stem. **275-1565** 1.99
Momentary Version. N.O. **275-1566** 1.89

(7) SPST Momentary. N.O. 0.5A at 125VAC. 3/8" stem. **275-1571** ..... **Set of 2/2.39**

Push On/Push Off and Momentary

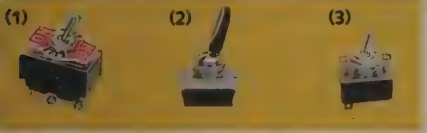
(8) Mini SPDT Push On/Push Off. Rated 3 amps at 125VAC. 5/16"-dia. stem. **275-1555** 2.49

(9) Mini SPDT Momentary Pushbutton. Rated 3A at 125VAC. 1/4"-dia. stem. **275-1549** 2.59

(10) Mini SPST Momentary. Rated 0.5A at 125VAC. 1/4"-diameter stem.
Normally Open. 275-1547 ..... **Pkg. of 4/2.69**
Normally Closed. 275-1548 ..... **Pkg. of 4/2.89**

(11) NEW! SPST Mini Momentary Pushbutton. Rated 3A at 125VAC. 1/4"-diameter stem. **275-1556** 1.99

Toggle Switches and 3-Piece Set



(1) Heavy-Duty DPDT. Center off. 10A at 125VAC. Screw terminals. Label plate. 7/16"-diameter stem. **275-1533** 1.89

(2) Heavy-Duty With Flat Lever. Rated 6A at 250VAC. 7/16"-diameter stem. UL listed.
SPST. 275-651 ..... 1.99
DPDT. 275-652 ..... 2.49
SPDT Center Off. 275-654 ..... 2.39
DPDT Center Off. 275-653 ..... 2.69

(3) Standard Toggle. Rated 3A at 125VAC. Include label plates. 7/16"-diameter stem.
SPST. 275-602 .. 1.29 **DPDT. 275-666** .. 1.59

3-Piece Set. DPDT, two SPST. **275-322** 2.69

Miniature Toggle Switches

(4) SPDT. 5A/125VAC. 7/16" stem. **275-603, 1.59**

(5) Flat-Lever Mini. 6A at 125VAC. 1/4"-dia. stem.
SPST. 275-634 .. 2.69 **SPDT. 275-635** .. 2.89
DPDT. 275-636 ..... 3.39
DPDT Momentary. 275-637 ..... 3.69

(6) Mini. 6A at 125VAC. With 1/4"-diameter stem.
SPDT. 275-662 .. 3.39 **DPDT. 275-663** .. 3.59
DPDT Center-Off. 275-664 ..... 3.79

(7) High-Current Mini. 10A at 125VAC. 1/4" stem.
SPST. 275-324 .. 2.89 **SPDT. 275-326** .. 2.99
SPDT Center Off. 275-325 ..... 3.39
DPDT. 275-1546 ..... 3.59
DPDT Center Off. 275-1545 ..... 3.79

Submini and Micro Toggles

(8) Micromini. 3A at 125VAC. 1/4"-diameter stem.
SPST. 275-624 ..... 2.29
SPDT. 275-625 ..... 2.39
DPDT. 275-626 ..... 2.59

(9) Submini. 3A at 125VAC. 1/4"-diameter stem.
SPST. 275-612 ..... 2.49
SPDT. 275-613 ..... 2.59
DPDT. 275-614 ..... 2.99
DPDT Center-Off. 275-620 ..... 3.19

(10) SPDT Momentary. 6A at 125VAC. Spring return to one position. 1/4" stem. **275-619** 2.39

(11) PC-Mountable Submini SPST. Rated 0.3A at 125VAC. 1/4" stem. **275-645** 1.99

Wide Selection of DIP, Lever, Mercury, Knife, Rotary, Slide and Rocker Switches

(1) SPST DIP. For many digital and low-current uses. Fit standard DIP sockets.
16-Position. Fits 16-pin DIP socket. **275-1301** 1.79
8-Position. Fits 8-pin DIP socket. **275-1304** 1.39

(2) SPDT With 3/4" Roller Lever. Operating force: 5 grams. Rated 5 amps at 250VAC. 3/4 × 1/4 × 3/8". UL listed. **275-017** 1.79
DPDT With 3/4" Lever. Rated 5 amps at 250VAC. **275-016** 1.69

(3) Mercury Bulb. Just the thing for motion detector alarms and science projects. Heavy-duty, rated 5 amps at 125VAC. Style may vary. **275-027** 1.29

(4) DPDT Knife-Type. Screw terminals. Ideal for projects, antenna switching, model trains. 0.5 amps at 200VDC. 1 5/8 × 2 3/8 × 3/4". **275-1537** 1.29

(5) Two-Pole, 6-Position Rotary. Non-shorting. 0.3A/125VAC. **275-1386, 1.39**
One-Pole, 12-Position Rotary. Shorting. Rating as above. **275-1385** 1.39

(6) NEW! SPDT Micromini Slides. Rated 3 amps at 125VAC. Mounting hole centers 9/16" apart. **275-409** ..... **Pkg. of 2/1.19**

(7) SPST Submini Slides. Rated 0.3A at 125VAC. **275-406** ... **Pkg. of 2/79¢**
DPDT Submini Slides. Rated 0.3A at 125VAC. **275-407** ..... **Pkg. of 2/89¢**

(8) SPST Heavy-Duty Slides. Rated 3A at 125VAC. **275-401, Pkg. of 2/1.19**
DPDT Heavy-Duty Slides. Rated 3A at 125VAC. **275-403** ... **Pkg. of 2/1.39**
Six-Piece Slide Switch Kit. Rated 0.5A at 125VAC. Includes one SPDT, one DPST, two DPDT, two SPST, and 12 mounting screws. **275-327** ..... **Set of 6/1.99**

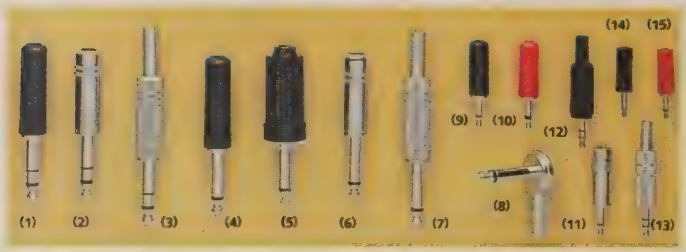
(9) NEW! SPST Heavy-Duty Rocker. Rated 15 amps at 125VAC. Snaps into 1" × 1/2" rectangular panel hole. **275-689** ..... **69¢**

(10) SPST Heavy-Duty Rocker. 6A at 125VAC. 3/4"-dia. stem. **275-690, 1.99**
DPDT Heavy-Duty Rocker. 6A at 125VAC. 3/4"-dia. stem. **275-691** 2.59

QUANTITY DISCOUNTS AVAILABLE—SEE PAGE 92

Hook Up With Value! Use Archer® Plugs and Jacks

Wide Selection of 1/4", 1/8" and 3/32" Phone Plugs



(1) Three-Conductor (Stereo) 1/4" Plugs. 1/2"-dia. barrel. **274-139 . . Pkg. of 2/1.99**

(2) Three-Conductor 1/4" Shielded Plug. Shield reduces hum. With 1 5/8"-long, nickel-plated barrel. **274-285 . . . . . 1.59**

(3) Three-Conductor 1/4" Shielded Plug. All-metal "grip" barrel, spring-coil cable strain relief. **274-1546 . . . . . 1.99**

(4) Two-Conductor (Monaural) 1/4" Plugs. Plastic barrel. **274-1536 . . Pkg. of 2/1.79**

(5) Two-Conductor 1/4" "Big Barrel" Plugs. Screwdriver terminals. 3/4"-diameter molded barrel. **274-1539 . . . . . Pkg. of 2/2.29**

(6) Two-Conductor 1/4" Shielded Plugs. A great value! All-metal barrel reduces hum and noise pickup. **274-1544 . . . . . Pkg. of 2/2.99**

(7) Two-Conductor 1/4" Shielded Plug. All-metal "grip" barrel, spring-coil cable strain relief. **274-1545 . . . . . 1.79**

(8) Two-Conductor 1/4" Shielded 90° Plugs. 274-254 . . . . . Pkg. of 2/1.99

Two-Conductor 1/8" Plugs. 1 5/8" long.

(9) Black. 274-286 . . . . . Pkg. of 2/1.49

(10) Red. 274-287 . . . . . Pkg. of 2/1.49

(11) Shielded. 274-288 . . Pkg. of 2/1.99

(12) Three-Conductor 1/8" Mini Plugs. Solder terms. **274-284 . . . . . Pkg. of 2/2.19**

(13) Three-Conductor Shielded 1/8" Plug. Spring strain relief. **274-1547 . . . . . 1.99**

Two-Conductor 3/32" Submini Phone Plugs.

(14) Black. 274-289 . . . . . Pkg. of 2/1.49

(15) Red. 274-290 . . . . . Pkg. of 2/1.49

Gold-Plated Plugs And Jacks

(1) NEW! Deluxe Phono Plug for OFC Cable. Designed especially for high-performance *oxygen-free copper* cables.
For 6 mm Cable. 274-860 . . . . . 4.99
For 8 mm Cable. 274-861 . . . . . 5.99

(2) Chassis-Mount Phono Jack. 274-852 . . . . . Pkg. of 2/2.49

(3) Phono Plug. 274-850 . . . . . 2.49

(4) Inline Phono Jack. 274-854 . . . . . 2.99

(5) Two-Conductor (Monaural) 1/4" Phone Plug. 274-855 . . . . . 3.49

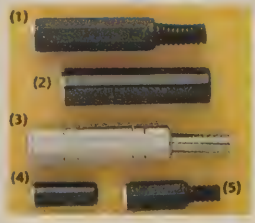
(6) Three-Conductor (Stereo) 1/4" Phone Plug. 274-856 . . . . . 3.99

(7) NEW! 3-Conductor 1/4" Inline Phone Jack. 274-859 . . . . . 3.99

(8) Two-Cond. 1/8" Plug. 274-857 . . . 2.79

(9) Three-Cond. 1/8" Plug. 274-858 . . 3.49

Inline Jacks



Ideal for Making Extension Cords

(1) Two-Conductor (Mono) 1/4" Phone Jacks. 274-340 . . . . . Pkg. of 2/2.19

(2) Three-Conductor (Stereo) 1/4" Phone Jacks. 274-141 . . . . . Pkg. of 2/2.39

(3) Three-Conductor Shielded 1/4" Phone Jack. Heavy-duty extra-durable metal type featuring "grip" finish. **274-142 . . . . . 2.99**

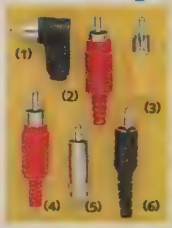
(4) Two-Conductor 1/8" Jacks. 274-333 . . . . . Pkg. of 2/1.69

(5) Three-Conductor 1/8" Jacks. 274-274 . . . . . Pkg. of 2/1.79

Enclosed 1/4", 1/8", 3/32" Jacks

Fig.	Size	Cond.	Circuit	Cat. No.	Price
1	1/4"	2	Open	274-280	.99
2	1/8"	3	Open	274-249	2/1.59
2	1/8"	3	Closed	274-250	2/2.19
3	3/32"	2	Closed	274-247	2/1.49

Phono Plugs



(1) Solderless 90°. Two red, two black. **274-383 . . . Set of 4/1.89**

(2) Solderless. Two red and two black. **274-384 . . . Set of 4/1.79**

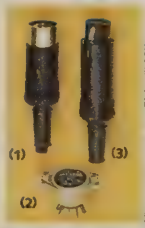
(3) With Color-Coded Covers. 274-321 . . . . . Set of 8/2.19

(4) With Plastic Grip-Style Covers. 274-319 . . . . Set of 4/1.79

(5) Shielded Type. Easy to solder. **274-339 . . . . . Pkg. of 2/1.59**

(6) Strain Relief. Three black, three red. **274-451,Set of 6/1.99**

Quality DIN-Type Connectors



(1) DIN Plugs. Plastic covers.

Pins	Cat. No.	Each
4	274-007	1.69
5	274-003	1.69
6	274-020	1.79
8	274-026	1.79

(2) Chassis Jack. 274-005, 99¢

(3) Inline Jacks. Plastic covers.

Pins	Cat. No.	Each
5 or 3	274-006	1.69
6	274-021	1.69
8	274-027	1.99

Open-Frame Jacks

With Panel-Mounting Hardware

Fig	Cond	Size	Circuit	Cat. No	Price
1	2	1/4"	Open	274-252	2/1.79
	2	1/4"	Closed	274-255	2/2.19
	3	1/4"	Open	274-312	2/2.49
2	2	1/8"	Open	274-251	3/1.59
	2	1/8"	Closed	274-248	2/1.69
3	2	3/32"	Closed	274-292	2/1.79

Phono Jacks and Jack Boards

(1) Shielded. Fit 1/4" mounting hole. Solder terminals. **274-346 . . . . . Pkg. of 4/1.99**

(2) Plastic Inline. Hex-shape. Strain relief, twist-together housing. **274-337 . . . . . Pkg. of 4/1.49**

(3) Shielded Inline. Metal construction cuts hum. **274-338 . . . . . Pkg. of 2/1.59**

(4) Dual Phono Jacks. Chassis-mount for stereo changers, amplifiers, receivers. Each accepts two phono plugs. **274-332 . . . . . Pkg. of 2/1.19**

(5) Four-Position Phono Jack Board. Chassis mount, accepts up to four plugs. **274-322 . . . . . 99¢**

(6) Eight-Position Phono Jack Board. Chassis mount. **274-370 . . . . . 1.39**

"Car Radio" Connectors

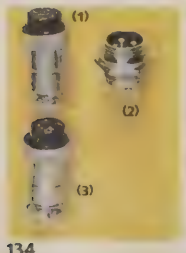
(1) Motorola-Type Plugs. Fit car radios and many scanners. **274-711 . . . . . Pkg. of 2/99¢**

(2) Inline Jack. 6" cable. **274-713 . . . . . 1.39**

(3) Solderless Motorola-Type Plug. 274-709 . . 1.39

(4) Solderless Motorola-Type Jack. 274-710 . . 1.39

Mike Connectors



(1) Eight-Pin Mike Plug. Fits many popular Ham transceivers. Great for adding accessories. **274-025 . . . . . 2.19**

(2) Four-Pin Chassis-Mount Socket. 274-002 . . . . . 1.29

(3) Four-Pin Plug. Many communications uses. **274-001 . . . . . 1.69**

Plug and Inline Jack Set

Two-Conductor (Monaural) 1/8". Set includes two plugs, two jacks. **274-283 . . . . . 4-Piece Set/2.49**

SEE PAGE 29 FOR MORE AUDIO CONNECTORS, ADAPTERS AND PATCH CORDS

Handy Audio Adapters and XLR Mike Connectors

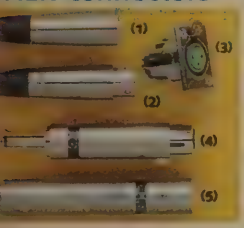
Headphone and Dubbing Adapters

Adapters on this page provide reliable hookups between different connector formats. Many are Radio Shack exclusives and all (except XLRs) will handle line and speaker-level signals.

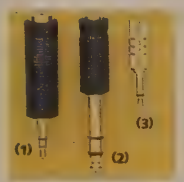
Accepts 1/8" Stereo Plug. Plugs Into 3/32" Mono Jack. 274-381 ..... **1.99**
Accepts 1/8" Mono Plug. Plugs Into 3/32" Mono Jack. 274-327 ..... **1.29**
Accepts 1/8" Stereo Plug. Plugs Into 3/32" Stereo Jack. 274-373 ..... **2.99**
Accepts Two 1/8" Mono Plugs. Plugs Into 1/8" Stereo Jack. Use to dub from onal portable stereo to a home deck. Outputs are L/R coded. **274-375** .. **3.39**
Accepts Two 1/8" Stereo Plugs. Plugs Into 1/8" Stereo Jack. Share your music! Y-pter lets you use two stereo headsets with one personal stereo. **274-313, 3.29**
Accepts Phono Plug. Plugs Into 1/8" Stereo Jack. 274-378 ..... **1.99**
Accepts 1/4" Stereo Plug. Plugs Into 1/8" Stereo Jack. 274-366 ..... **1.79**
Accepts 1/8" Mono Plug. Plugs Into 1/8" Stereo Jack. Use to dub from monaural able to a stereo recorder. Combines L/R channels. **274-374** **1.69**
Accepts Two Phono Plugs. Plugs Into 1/8" Stereo Jack. 274-369 ..... **2.49**
Accepts 1/8" Stereo Plug. Plugs Into 1/4" Stereo Jack. Right-angle type. Use ni" stereo headphones with equipment having 1/4" stereo jacks. **274-371, 2.99**
Straight Version of Fig. 10. 274-367 ..... **1.79**
Accepts 1/8" Stereo Plug. Plugs Into Phono Jack. 274-387 ..... **2.19**
NEW! Accepts 1/4" Stereo Plug. Plugs Into 1/4" Stereo Jack. 90° bend is ideal n space is limited. Helps prevent damage to jack and cable. **274-393** **2.99**

(14) Accepts 1/8" Stereo or Monaural Plug. Plugs Into 1/8" Stereo or Monaural Jack. 90° bend helps prevent cord and jack damage. **274-372** **2.49**
(15) Accepts 1/8" Stereo Plug. Plugs Into 1/4" Monaural Jack. Use comfortable "mini" stereo headphones with Ham, shortwave, CB and scanner radios. **274-348** ... **1.99**
(16) Accepts 1/8" Stereo Plug. Plugs Into 1/8" Monaural Jack. Use stereo headphones with TVs, radios, recorders, walkie-talkies, scanners. **274-368** **1.19**
(17) Accepts Two Phono Plugs. Plugs Into 1/4" Stereo Jack. Excellent for use with dub-out jack on stereo receivers. Outputs are L/R coded. **274-308** **3.79**
(18) Accepts Two 1/4" Stereo Plugs. Plugs Into 1/4" Stereo Jack. 274-302 ... **3.99**
(19) Accepts Two 1/8" Monaural Plugs. Plugs Into 1/8" Mono Jack. 274-310, 1.99
(20) NEW! Accepts 1/4" Mono Plug. Plugs Into 1/4" Stereo Jack. Combines left and right channels. Provides monaural output for recording from a stereo headphone jack. **274-1520** **1.99**
(21) Accepts 1/4" Stereo Plug. Plugs Into 1/4" Monaural Jack. Use stereo headphones with monaural CB, Ham, shortwave and scanner radios. **274-360** **1.99**
(22) Accepts 1/4" Stereo Plug. Plugs Into 1/8" Monaural Jack. 274-361 ..... **1.99**
(23) Accepts 1/8" Monaural Plug. Plugs Into 1/4" Stereo Jack. 274-363 ..... **1.99**
(24) Accepts Phono Plug. Plugs Into 1/4" Stereo Jack. Provides monaural output from stereo receiver dub-out or headphone jack. **274-365** **1.39**

XLR Connectors



(1) Three-Pin Plug. All-metal die-cast body. **274-010** **2.99**
(2) Three-Pin Inline Socket. Mates with Figs. 1 and 5. Cable strain relief. **274-011** **2.99**
(3) Three-Pin Panel Socket. Latching type with push release. Accepts Figs. 1 and 5. **274-013** **3.69**
(4) Adapter/Transformer. Accepts XLR plug. Plugs into 1/4" phone jack. Use a mike having a "pro" plug with amplifier or recorder that has 1/4" jack. Adapts low-Z to high-Z unbalanced input. **274-016** **11.99**
(5) Adapter/Transformer. Accepts 1/4" phone plug. Plugs into XLR jack. Lets you use a high-impedance unbalanced microphone with equipment that requires low-impedance balanced input. Use with Fig. 4 to minimize high-frequency loss in long cable runs. **274-017** **11.99**

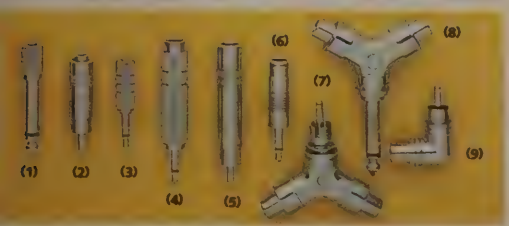


Gold-Plated Plug Adapters

NEW FOR '90

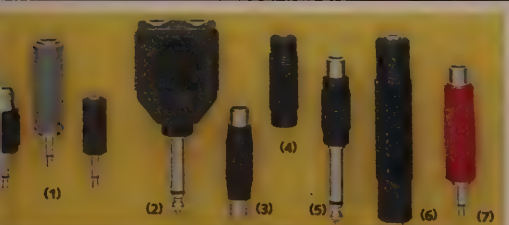
2.99 Each

(1) Gold Version of Fig. 7, Above. 274-875, 2.99
(2) Gold Version of Fig. 11, Above. 274-876, 2.99
(3) Gold Version of Fig. 16, Above. 274-877, 2.99



Monaural Adapters—Metal-Shielded to Prevent "Hum"

(1) Accepts 1/8" Plug. Plugs Into 1/4" Jack. 274-325 ..... **1.59**
(2) Accepts 1/8" Plug. Plugs Into Phono Jack. 274-326 ..... **1.59**
(3) Accepts 3/32" Submini Plug. Plugs Into 1/8" Jack. 274-328 ..... **1.79**
(4) Accepts 1/4" Phone Plug. Plugs Into 1/8" Jack. 274-047 ..... **1.29**
(5) Accepts 1/4" Phone Plug. Plugs Into Phono Jack. 274-389 ..... **Pkg. of 2/2.99**
(6) Accepts Phono Plug. Plugs Into 1/8" Jack. 274-330 ..... **1.69**
(7) Accepts Two Phono Plugs. Plugs Into Phono Jack. Y adapter. **274-303** **1.99**
(8) Accepts Two Phono Plugs. Plugs Into 1/4" Phone Jack. Y adapter. **274-304** **1.99**
(9) Accepts Phono Plug. Plugs Into Phono Jack. 90° type. **274-306** **2.39**

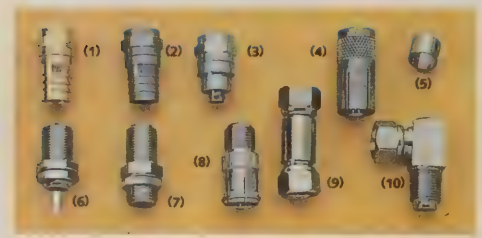


Adapters for Custom Hookups–Reduce Installation Time

(1) Three-Piece Monaural Adapter Set. Adapts 3/32" submini plug, 1/4" phone plug or phono plug to plug into 1/8" monaural jack. **274-359** ..... **Set 2.99**
(2) Accepts Two 1/4" Monaural Phone Plugs. Plugs Into 1/4" Monaural Jack. 274-309 ..... **2.99**
(3) Accepts Two Phono Plugs. Connect two cables with phono plugs. **274-1553** ... **Pkg. of 2/1.39**
(4) Accepts Two 1/8" Stereo (or Two Mono) Plugs. Coupler. **274-1555** **1.59**
(5) Accepts Phono Plug. Plugs Into 1/4" Monaural Jack. 274-320 ..... **Pkg. 2/2.79**
(6) Accepts Two 1/4" Stereo or Mono Phone Plugs. Coupler. **274-1556** **2.39**
(7) Signal Reducer. Accepts phono plug. Plugs into 1/8" mono jack. Built-in 40 dB attenuator lets you use a portable recorder's mike input to tape from line-level sources without distortion. **274-300** .. **2.79**

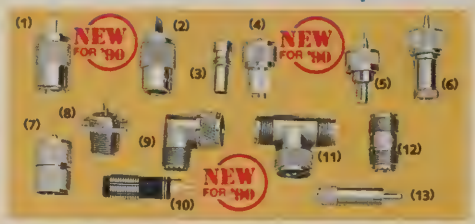
Top-Quality RF Connectors, Adapters and Tools

75-Ohm TV/FM Connectors



(1) **Gold-Plated CF-59.** For RG-59 cable. With extra-long ½" crimp ring. **278-224** ..... **Pkg. of 2/1.99**
Gold-Plated CF-56. Above connector for RG-6 and "Aluminax"-type coax. **278-225** ..... **Pkg. of 2/1.99**
(2) **Standard CF-59.** For RG-59. **278-222, Pkg. 2/99¢**
Standard CF-56. 278-223 ..... **Pkg. of 2/99¢**
(3) **F-59.** For RG-58. **278-211** ..... **Pkg. of 2/99¢**
F-56. For RG-6 and "Aluminax". **278-214, Pkg. 2/99¢**
(4) **Solderless F-59.** For RG-59. **278-215** ..... **99¢**
(5) **F-59 Crimp Rings. 278-216** ..... **Pkg. of 6/59¢**
F-56 Crimp Rings. 278-217 ..... **Pkg. of 6/59¢**
(6) **F-61.** Mate with F-59. **278-212** ... **Pkg. of 2/99¢**
(7) **F-81 Coupler.** Joins two F-59s. **278-213** ..... **99¢**
(8) **Screw-On to Push-On Adapter. 278-218** **1.49**
(9) **F Male-to-Male Adapter. 278-219** **1.29**
(10) **F Female-to-Male 90° Adapter. 278-221** ... **1.29**

RF Connectors and Adapters



(1) **NEW! Premium PL-259 Plug.** Silver-plated body. Teflon® insulation. **278-188** **3.49**
(2) **Standard PL-259. 278-205** ..... **Pkg. of 2/2.79**
(3) **Reducer for RG-59. 278-204** ..... **Pkg. of 2/99¢**
Reducer for RG-58. 278-206 ..... **Pkg. of 2/99¢**
(4) **NEW! No-Crimp Solderless PL-259 for RG-58.** Install with a flat-blade screwdriver. **278-186** **3.29**
(5) **Solderless PL-259 for RG-58. 278-196** **2/2.19**
(6) **Above for RG-59, RG-8M. 278-191** **1.99**
(7) **Double PL-259. 278-192** **2.19**
(8) **SO-239 Chassis-Mount Socket. 278-201** **1.49**
(9) **M-359 Inline 90° Adapter. 278-199** **2.49**
(10) **NEW! Gold-Plated Solderless Phono Plug.** For RG-58 coax. Ideal for low-level RF. **278-187** **2.99**
(11) **M-358 T Adapter. 278-198** **3.49**
(12) **PL-258 Coupler.** Joins two PL-259s. **278-1369, 1.69**
(13) **Solderless Phono.** For RG-59. **278-189** **2.49**

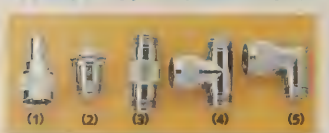
BNC Connectors

(1) **NEW! Solderless BNC Male.** Fo
RG-58. **278-185** **3.5**
(2) **Solderless UG-88 Male BNC.**
For RG-58 Cable. 278-103 .... **2.9**
For RG-59, RG-62. 278-104 ... **2.9**
(3) **1094 Female. 278-105** **1.3**
(4) **90° Adapter. 278-116** **3.9**
(5) **UG-274 T. 278-112** **3.1**
(6) **UG-306 BNC Female-to-Female Adapter. 278-115** **1.9**

NEW! Gold-Plated Adapters

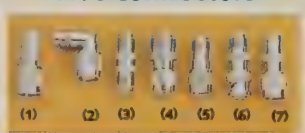
Fig.	Accepts	Plugs Into	Cat No	Each
1	BNC Male	Phono Jack	278-301	3.99
2	F Female	BNC Socket	278-302	4.99
3	Phono Plug	BNC Socket	278-303	3.99

NEW! "N" Connectors



(1) **Male For RG-59. 278-150** .. **3.49**
For RG-58. 278-151 ..... **3.49**
(2) **Panel-Mount Fem. 278-152, 2.99**
(3) **UG-29 Double-Female Adapter.** Joins two male Ns. **278-154** ... **3.99**
(4) **UG-107 Female-Male-Female T Adapter. 278-155** **5.99**
(5) **UG-27 90° Female-to-Male N Adapter. 278-153** **4.99**

TNC Connectors



(1) **Solderless Male.** For RG-58. **278-140** **1.99**
(2) **90° Adapter. 278-141** **2.99**
(3) **Double Female. 278-142** .. **1.99**
NEW! TNC Adapters. Figs. 4-7

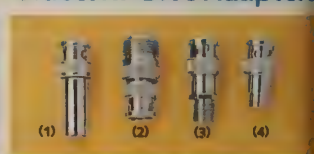
Fig.	Accepts	Plugs Into	Cat. No.	Each
4	PL-259	TNC Female	278-118	3.49
5	TNC Male	TNC Female	278-143	3.99
6	TNC Male	BNC Female	278-144	4.99
7	BNC Male	TNC Female	278-145	4.99

Mini-UHF Adapters

(1) **Double-Female Adapter.** Joins two males. **278-172** **2.49**
(2) **Female-Male-Female T Adapter. 278-173** **3.99**

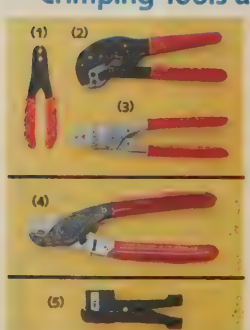
Fig.	Accepts	Plugs Into	Cat. No.	Each
3	PL-259	M-UHF Jack	278-174	3.99
4	M-UHF Plug	SO-239	278-175	3.49
5	BNC Male	M-UHF Jack	278-176	2.99
6	M-UHF Plug	BNC Jack	278-177	2.99

Video/RF BNC Adapters



(1) **BNC Male to Motorola-Type Female.** For scanners. **278-117** ... **2.9**
(2) **UG-225/U Adapter.** BNC male to SO-239. **278-120** **2.4**
(3) **BNC Male to Female "F". 278-251** **1.9**
(4) **BNC Male to Phono Jack. 278-254** **2.4**

Crimping Tools and Cable Cutters



(1) **Economy Crimping Tool.** For F connectors. (Not for #278-222/223/224/225. **278-220** **2.59**
(2) **Heavy-Duty Hex Crimp Tool. 278-242** **6.95**
(3) **"Pro" Crimp Tool.** Our best! Use with #278-222/223/224/225 connectors. **278-243** **14.95**
(4) **Coax Cutter.** Curved blades do not flatten cable. **278-244** **5.95**
(5) **Coax Stripper.** Adjustable blades. For 3/16" to 5/16" cables. **278-240** **12.95**

Radio Shack Has Those Hard-to-Find Adapters

(1) **UG-273.** BNC fem. to PL-259. **278-121** **2.5**
(2) **PL-259 Plug to Female F. 278-258** **2.9**
(3) **"Scanner" Coax Plug Adapter.** SO-239 to male Motorola-type plug. **278-208** **1.7**
(4) **BNC Female to Phono Plug. 278-250** **1.9**
(5) **BNC Female to Male F. 278-256** **2.1**
(6) **Male F to Phono Plug. 278-253** **1.9**
(7) **Male F to Phono Jack. 278-255** **1.2**
(8) **Right-Angle Female F to Phono Plug.** Great for adapting video accessories. **278-260** **1.9**
(9) **Female F to Phono Plug. 278-252** **1.3**
(10) **Female F to 1/8" Mini Plug. 278-257** **1.9**
(11) **NEW! Indoor, Low-Power Coupler/Splicer.** For RG-58, RG-59 or RG-6. **278-226** ... **Pkg. of 2/2.9**

SEE PAGES 29, 134-135 FOR AUDIO CONNECTORS AND ADAPTERS / TEFLON, TM E.I DUPONT

Radio Shack's Huge Selection of Cables and Wires

Two-Conductor Speaker Wire

Extra low loss all-copper nductors, color coded for larity identification. Clear stic insulation.

Description	Gauge	Feet	Cat. No.	Each
Miniature Clear	24 Solid	75	278-1509	2.99
Medium Clear	22 Stranded	100	278-1385	5.49
Standard Clear	20 Stranded	75	278-1388	5.99
Low-Loss Clear	18 Stranded	30	278-1602	3.49
Low-Loss Clear	18 Stranded	60	278-008	6.49
Low-Loss Clear	16 Stranded	50	278-1267	7.99

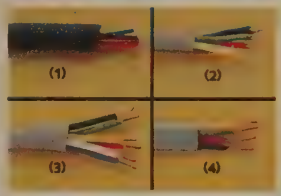
Quality Zip Cord

Stranded copper two- nductor wire with plastic ulation. Made in USA.

Gauge	Feet	Cat. No.	Each
24	50	278-1301	2.99
20	30	278-1265	3.29
20	100	278-1387	6.99
18	30	278-864	2.99
18	100	278-1264	8.99
16	30	278-1263	4.69
16	100	278-1384	13.95

Nearly all of the wire, cable and assemblies sold at Radio Shack are made in the USA by Tandy® Wire and Cable. We start from "scratch", drawing our own wire. Then we subject it to the highest QC testing at every step of manufacturing. This, and a huge selection of accessories, makes Radio Shack THE PLACE for your wiring needs. Give us a try!

Solid-Conductor and Modular Telephone Cable



(1) NEW! Direct-Buriable 4-Conductor Telephone Cable. 100 feet. **278-375 . . 14.99**

(2) 4-Cond. 24-ga. solid copper conductors. **50 Feet. 278-372 . . . . . 5.79**
100 Feet. 278-373 . . . . . 10.95
Bulk. 278-1320 . . . . . Price Per Foot/12¢

(3) 6-Cond. 100 ft. **278-374 . . . . . 14.95**

(4) Modular. 50 feet. **278-365 . . . . . 5.49**
100 Feet. 278-366 . . . . . 10.98

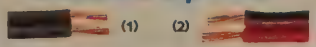
Magnet, Bus, Probe

Magnet Wire. 40 ft. 22-ga., 75 ft. -ga., 200 ft. 30-ga. **278-1345, 4.99**

Solid Bus Wire. 24-ga. bare cop- r 50 ft. **278-1341 . . . . . 1.79**

Probe Wire. 20-gauge stranded. feet. **Red. 278-553 . . . . . 2.39**
ck. 278-554 . . . . . 2.39

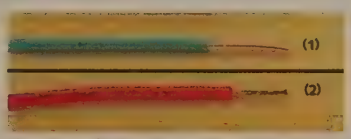
UL Listed Zip Cord



(1) SPT-1. Two 18-gauge conductors. 100 feet. **278-1430 . . . . . 14.99**
SPT-2. 16-ga. **278-1440 . . . . 21.95**

Bonded, Heavy-Duty

(2) Bonded. 2 × 18-gauge stranded. 25 ft. Red/black. **278-1250 . . . 3.99**
12-Ga. Red. 20 ft. **278-1289 . . 3.99**
12-Ga. Black. 20 ft. **278-1280, 3.99**



Hook-Up Wire Packs

Low As **2.99** Each

Solid or Stranded

One Spool, One Color. Each 2.99

Fig.	Type	Ga.	*Ft.	Cat. No.
1	Solid	18	60	278-1291
2	Stranded	18	55	278-1292
2	Stranded	20	75	278-1293
1	Solid	20	80	278-1294
1	Solid	22	100	278-1295
2	Stranded	22	90	278-1296

*Total footage; colors vary

3 Spools, 3 Colors. Each 3.49

Fig.	Type	Ga.	*Ft.	Cat. No.
1	Solid	18	60	278-1302
2	Stranded	18	45	278-1303
2	Stranded	20	60	278-1304
1	Solid	20	75	278-1305
1	Solid	22	90	278-1306
2	Stranded	22	75	278-1307

*Total footage; colors vary

Intercom and Alarm

Intercom. 3-cond., 24-gauge anded. **278-371 . . . . . 4.69**

Rainbow Wire. 24-gauge solid. **Cond.** 35 ft. **278-755 . . . . . 2.39**
Cond. 25 ft. **278-757 . . . . . 2.39**

Twisted Pair Alarm System Wire. **0 Ft. 278-860 . . . . . 5.99**
0 Ft. 278-861 . . . . . 17.49

Outdoor Antenna Wire

(1) Antenna Kit. 75 ft. of antenna wire, 50 ft. lead-in, feed-through, insulators. **278-758 . . . . . 8.49**

(2) Antenna Wire. 70 ft. of 14-ga., 7-strand copper. **278-1329 . . 5.79**

(3) Insulators. 278-1333 . . 2/69¢

(4) Outdoor RF Connector Sealant Tape. 60 feet. ½" wide. **278-1645 . . . . . 2.49**

NEW! "Pro" Shielded

(1) Oxygen-Free Copper Cable. High performance. Audio or video use. 6 feet. 6 mm dia. **278-1271 . . . . 5.95**
8 mm Diameter. 278-1272 . . . 7.59

(2) Dual Mike Cable. For balanced hookups. 30 ft. **278-1281 . . . 19.95**

(3) Super-Flex Mike Cable. 30 feet. Extra-supple. **278-1282 . . . . . 14.95**

Shielded-Cable Values

Low As **2.99** 20 Feet

(1) Quality cable at a low price!

Description	Feet	Cat. No.	Each
Miniature	30	278-752	3.49
Heavy-Duty	40	278-751	7.19
Standard	20	278-1277	3.29
Two-Conductor	50	278-1275	5.49
Two-Conductor	20	278-1276	3.29

(2) Coiled CB/Ham Mike Cable. Four conductors (one is shielded). Extends to five feet. **278-355 . . . . . 6.49**

Archer® High-Grade Coaxial Cable—Made in USA by Tandy

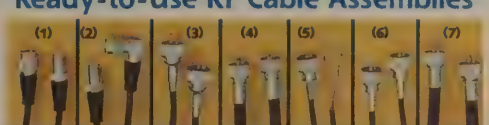
Low As **20¢** Per Foot

See Page 92 For Bulk Discounts

An excellent choice for Amateur Radio, CB, scanner, TV and FM hookups. Features low-loss polyethylene dielectric and all-copper conductors.

ms —	RG Type	OD (in.)	Velocity Factor	Loss Per 100 ft.		Capacitance Per Foot	Center Conductor	Cat. No.	Price Per Ft.
i2	8	.405	66%	50 MHz, 1.7 dB 200 MHz, 3.8 dB	100 MHz, 2.5 dB 400 MHz, 6.5 dB	29 pF	13-ga. 7 × 21	278-1323	.42
i2	8/M	.242	75%	50 MHz, 2.2dB 200 MHz, 4.6 dB	100 MHz, 3.0 dB 400 MHz, 7.5 dB	26 pF	16-ga. 19 × 29	278-1328	.25
i2	58	.196	66%	50 MHz, 4.0 dB 200 MHz, 8.0 dB	100 MHz, 5.3 dB 400 MHz, 12.0 dB	28 pF	20-ga. solid	278-1326	.20
'5	59	.242	75%	50 MHz, 1.8 dB 200 MHz, 3.9 dB 700 MHz, 9.1 dB	100 MHz, 2.8 dB 500 MHz, 7.5 dB 900 MHz, 10.6 dB	15.5 pF	22-ga. solid	278-1327	.20
'5	6	.266	75%	50 MHz, 1.2 dB 200 MHz, 2.7 dB 700 MHz, 6.7 dB	100 MHz, 1.8 dB 500 MHz, 5.1 dB 900 MHz, 8.3 dB	18.6 pF	18-ga. solid	278-1324	.20

Ready-to-Use RF Cable Assemblies



(1) NEW! Cellular Phone Extension. Low-loss 3-foot cable. Male TNC to female. **278-976 . . . . . 4.99**

(2) NEW! Above With 90° Male TNC. 278-977 . . 5.99

(3) 2-Foot RG-58 Patch. With PL-259s. **278-968 . . 4.69**
6-Foot RG-58 Extension. 278-975 . . . . . 5.29

(4) 5-Foot RG-8 Patch. With PL-259s **278-969 . . . 6.19**

(5) 10-Foot RG-58. PL-259 to spades. **278-966 . . 6.99**

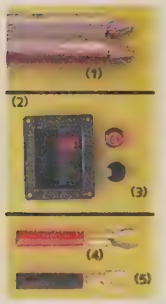
(6) 20-Foot RG-58. With PL-259s **278-967 . . . . . 6.99**

(7) 50-Foot RG-58. With PL-259s **278-971 . . . . . 12.99**
50-Foot RG-8. PL-259 at each end. **278-970 . . . 23.99**

SEE PAGE 92 FOR INFORMATION ON BULK WIRE AND CABLE DISCOUNTS

Our Terminals and Accessories Make Wiring Easy!

For Speaker Hookups



(1) MEGACABLE™. Our best! 12-gauge braided pure copper conductors. **278-1268** . . . . . **Per Foot 99¢**

(2) NEW! Deluxe Speaker Terminal Plate. For above and other large speaker wires. Special 3/4"-dia. knobs. Mounts in 3 3/8 × 2 9/16" hole. **274-626** **4.99**

(3) NEW! One red and one black knob as above, less plate. **274-619** . . . . . **Set 5.95**

(4) NEW! Large Gold Terminals for MEGACABLE. 4 red, 4 black. **64-401, Set of 8/4.99**

(5) NEW! Smaller Version of Fig. 4. 4 red, 4 black. **64-402** . . . . . **Set of 8/4.49**

Speaker Terminal Plates

(1) Two-Position Pushbutton Terminals. Spring-action for positive contact. 2 1/8 × 3/4" **274-315** **1.29**

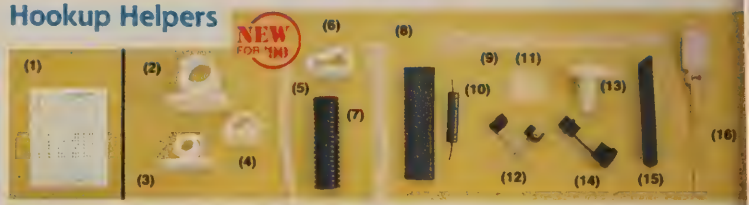
(2) Terminal Plate. Recessed design—just the thing for hi-fi and PA speakers. Feature spring terminals for wire hookup, plus phono jack. Includes plug to maintain seal. **274-625** **1.99**

(3) Eight-Position Pushbutton Terminal. Spring-action lever for quick hookup. Mounting holes 1 3/16" apart. **274-623** . . . **2.79**

Four-Position Version. Holes 2 3/8" apart. **274-622** **1.79**

Two-Position Version. 274-621 . . . . . **1.19**

Hookup Helpers



(1) Wire Markers. "Peel and stick" letters and numerals for identifying wiring. Total of 630 characters. **278-1650** **Set/1.79**

(2) "Jumbo" Cable Clips. Eliminates drooping! Locking clips accept cables up to 5/8" dia. Strong adhesive backing. **278-1641** . . . . . **Pkg. of 3/1.79**

(3) Standard Cable Clips. For cables up to 3/8" dia. **278-1640** . . . . . **Pkg. of 10/2.69**

(4) Adjustable Wire/Cable Clips. For cables up to 1/2" dia. **278-1639** . . . . . **Pkg. of 10/2.19**

(5) NEW 5-Foot Grommet Strip. Bends to fit irregularly-shaped panel cutouts. Easily cut to desired length. Fits panels with thickness from .06 to 0.1". **278-1651** **2.49**

(6) "Uni" Clips. 278-1647 . . **Pkg. 10/2.79**

(7) Split Loom Tubing. Gathers loose wires into a neat bundle. Five-foot length. 1/2" diameter. **278-1624** **3.99**

(8) 4" Wire Ties. Unbreakable nylon. Self-locking. **278-1632** . . . . . **Pkg. of 30/1.59**

5" Wire Ties. 278-1631 . . . . **Pkg. 30/1.99**

8" Wire Ties. 278-1642 . . . . **Pkg. 30/2.99**

(9) AC Cord Ties. 278-1646, Pkg. 6/59¢

(10) Heat-Shrink Tubing. 1/16 to 1/2" sizes. UL listed. **278-1627** . . . . . **Pkg. of 7/1.79**

(11) Wire-Tie Mounts. 3/4 × 3/4". Adhesive backed. **278-441** . . . . . **Pkg. of 10/1.59**

(12) Nail-In Coax Clips. Slip over cable. **For RG58/U. 20-192** . . . . **Pkg. of 10/89¢**
For RG8/U. 20-193 . . . . . **Pkg. of 6/89¢**

(13) Wall Feedthrough Bushing. For RG6 and RG8M. **278-1644** . . . . . **Pkg. of 2/49¢**
For RG59, 58, 62. 278-1643, Pkg. of 2/49¢

(14) Strain Reliefs. 278-1636, Set of 6/69¢

(15) Spiral Wrap. 10 feet. **278-1638, 1.99**

(16) Cable Tie/Marker. For cables up to 5/8" dia. **278-1648** . . . . . **Pkg. of 10/2.49**

Locking Connectors

NEW FOR '90 — Low As **99¢** Pair

Male 250V Per Circuit			
Pos.	Amps	Cat. No.	Each
2	20	274-151	.99
6	15	274-152	1.69
12	12	274-153	1.99

Female 250V Per Circuit			
Pos.	Amps	Cat. No.	Each
2	20	274-154	.99
6	15	274-155	1.69
12	12	274-156	1.99

Male 125V Per Circuit			
Pos	Amps	Cat No	Each
4	9	274-224	1.09
6	9	274-226	1.39
9	9	274-229	1.59
12	7.5	274-232	1.69

Female 125V Per Circuit			
Pos	Amps	Cat No	Each
4	9	274-234	1.09
6	9	274-236	1.39
9	9	274-239	1.59
12	7.5	274-242	1.69

Two-Pin Male/Female Set. Up to 12 amps, 250VAC per circuit. **274-222** . . . . . **Set 99¢**

Six-Foot AC Power Cords

(1) Replacement. 2-prong plug. **278-1255, 1.19**

(2) Three-Prong Plug. Grounded plug to stripped leads. Rated 10A at 125VAC. **278-1258** . . **2.99**

(3) Recorder/Radio. Two-prong plug to connector that fits many portables. **278-1256** . . . **1.99**

(4) Grounded "Business". "HP" connector fits computers, bus. machines. **278-1257** **3.99**

(5) NEW! Like Fig. 4 but with right-angle "HP"-type connector for appliance. **278-1260** . . **5.99**

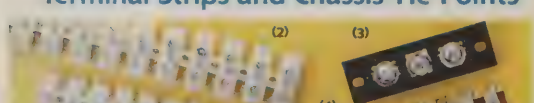
Cord Connectors

Low As **1.79** Each — **Heavy-Duty Power-Type**

Polarized to assure correct hookup. Rated 7.5A, 500V max. per position.

Type	Contact Positions	Cat. No.	Each
Plug	2	274-201	1.99
Socket	2	274-202	2.19
Plug	4	274-204	1.99
Socket	4	274-205	2.19

Terminal Strips and Chassis Tie Points



(1) 12-Position "Jumbo" European-Style Barrier Terminal Strip. Each position accepts two wires. **274-677** **3.99**

(2) 8-Position Standard "Euro" Terminal. Perfect for alarms and multiconductor hookups. 3 1/8" long. **274-678** **1.89**

12-Position Standard "Euro" Terminal. 274-679 . . . . . **2.29**

(3) Two Screw Terminals With Phono Jack. Great for speaker connectors. 2 3/8" long. **274-620** . . . . . **Pkg. of 2/1.29**

(4) Screw Terminals. 1 11/16" long. **274-663** . . . . **Pkg. of 2/99¢**

(5) Five-Lug Tie Points. Chassis mount. Phenolic construction. Use center lug for grounding. **274-688** . . . . . **Pkg. of 4/89¢**

Safety Barrier Strips

(1) Dual-Row. Help prevent accidental contact. Ideal for security and multiconductor hookups.

Positions	Cat. No	Price
2	274-656	2 for 1.49
4	274-658	1.49 Each
6	274-659	1.59 Each
8	274-670	1.99 Each

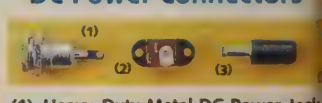
(2) Chassis-Mount Feedthrough Barrier Strip. Eight terminals. **274-653** **2.39**

(3) Eight-Position Jumper. 274-650 . . . . . **1.59**

(4) NEW! Dual Solder-Lug Adapters for Barrier Terminal Strips. 274-644 . . . . . **Pkg. of 4/79¢**

(5) NEW! 45° Quick-Connect Lugs for Barrier Terminal Strips. 274-645 . . . . . **Pkg. of 4/79¢**

DC Power Connectors



(1) Heavy-Duty Metal DC Power Jack. 5.5mm outside diameter, 2.1mm inside diameter. **274-1563** **1.59**

(2) Molded DC Power Jacks. 5.0mm O.D., 2.1mm ID. **274-1565** . . . **2/1.29**

(3) Coax Plugs. Ideal for changing or replacing AC adapter terminations.

O.D.	I.D.	Cat. No.	Pkg. of 2
3.5mm	1.1mm	274-1574	1.69
3.5mm	1.3mm	274-1571	1.69
5.0mm	1.6mm	274-1570	1.29
5.0mm	2.1mm	274-1567	1.29
5.0mm	2.5mm	274-1568	1.29
5.5mm	2.1mm	274-1569	1.29
5.5mm	2.5mm	274-1573	1.29
6.3mm	3.0mm	274-1572	1.49

QUANTITY DISCOUNTS AVAILABLE AT PARTICIPATING RADIO SHACK STORES AND DEALERS—SEE PAGE 92

Why Take Chances? Use Archer® Fuses and Holders

Fuses for TVs, VCRs, Hi-Fi, CBs, Appliances and Testers

UL Recognized

Fast-Acting 1¼ x ¼" . . . . . Pkg. of 3/79¢

Amps	Cat. No.	Amps	Cat. No.	Amps	Cat. No.
¼	270-1270	2	270-1275	6	270-1252
½	270-1271	2½	270-1260	7	270-1253
¾	270-1272	3	270-1276	8	270-1254
1	270-1273	4	270-1277	...	...
1½	270-1274	5	270-1278	...	...

Slow-Blow 1¼ x ¼" . . . . . Pkg. of 2/1.29

Amps	Cat. No.	Amps	Cat. No.
½	270-1282	4	270-1289
1	270-1283	5	270-1287
1½	270-1284	6	270-1291
2	270-1285	7	270-1292
3	270-1286	8	270-1293

(2) Ceramic Fuses for Microwaves . . Pkg. of 2/1.29

Amps	Cat. No.	Amps	Cat. No.	Amps	Cat. No.
10	270-1256	15	270-1257	20	270-1258

(3) Fast-Acting 5 x 20 mm . . . . . Pkg. of 2/89¢

Amps	Cat. No.	Amps	Cat. No.
0.315	270-1249	2	270-1244
½	270-1241	2½	270-1245
¾	270-1242	3	270-1246
1	270-1250	4	270-1247
1½	270-1243	5	270-1248

NEW! 1.6 Amp 5 x 20 mm Fast-Blow Fuse. For VCRs. **270-1235 . . . . . Pkg. of 2/89¢**

(4) Slow-Blow 5 x 20 mm . . . . . Pkg. of 2/1.19

Amps	Cat. No	Amps	Cat. No.
½	270-1169	3.15	270-1173
¾	270-1170	4	270-1174
1	270-1171	5	270-1175
2	270-1172	6.3	270-1176

Thermal Fuses

1.19 Each

Protector used in many coffee makers and appliances. 240VAC, 10 A. Other values by special order. CMC.

Breaks Circuit at	Cat. No.
141°C 228°C	270-1320 270-1321

Metal-Oxide Varistors. Divert AC-line "spikes" to prevent damage to computers, VCRs, other sensitive equipment.
Standard. 276-570 . . . . 1.59
Heavy-Duty. 276-568 . . 1.99

MOVs

Low As 1.59

NEW FOR '90

Circuit Breaker

3 Amps at 250VAC

Convenient alternative to fuses. Mounts in ⅝" diameter panel hole. Trips in three seconds at 200% rated current. **270-1311 . . . . . 1.99**

Fuse Holders

Low As 99¢

Inline for 5 x 20 mm Fuses. With hookup leads. ted 5A at 250VAC. UL **270-1238 . . . . . 1.59**

Inline for 1¼ x ¼" Fuses. With hookup leads. ted 5A at 250VAC. **270-1281 . . . . . 99¢**

Panel-Mount for 5 x 20 mm Fuses. Rated 10A 250VAC. ½"-dia. mtg. hole. UL. **270-362, 1.49**
s. 4-10 Are for 1¼ x ¼"-Diameter Fuses.

Panel-Mount. 10A/250VAC. **270-364 . . 1.29**

Square Panel-Mount. Built-in safety-lock. Rated A at 250VAC. ½" mtg. hole. **270-365 . . 1.49**

(6) Panel-Mount With Screwdriver Slot. Rated 10A at 250VAC. UL listed. **270-367 . . . . . 1.79**

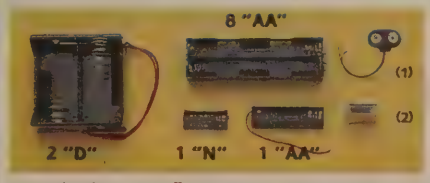
(7) Chassis Mount. 270-739 . . . . Pkg. of 2/99¢

(8) Four-Position Fuse Block. 270-742 . . . . 2.19

(9) Pigtail Fuse Adapter. Speeds servicing! Clips over blown fuse and accepts standard 1¼ x ¼" replacement fuse up to 30A. **270-1219 . . . . 1.19**

(10) Speaker Fuse Holder. Accepts 1¼ x ¼" fast-acting fuse. Includes formula for calculating proper fuse value up to 3A. **270-1210 . . . . . 1.89**

Big Variety of Battery Holders



Have leads except *, which have 9V-type snap.

Holds	Cat. No.	Each
2 "AAA"	270-398	.69
2 "AA"	270-382*	.99
4 "AA"	270-383*	.99
4 "AA"	270-391	1.19
8 "AA"	270-387*	1.29
8 "AA"	270-407*	1.19
2 "C"	270-385	1.19
4 "C"	270-390	1.39

Holds	Cat. No.	Each
2 "D"	270-386	1.39
4 "D"	270-396	1.49
4 "D"	270-389	1.49
1 "N"	270-405	.49
1 "AA"	270-401	.59
1 "C"	270-402	.69
1 "D"	270-403	.79

(1) 9V Battery Snap Connector. For replacement, projects or use with battery holders with snap connector, above. **270-325 . . . . . Pkg. of 5/1.19**

(2) 9V Battery Holders. 270-326 . . Pkg. of 2/69¢

PC-Mount Omnidirectional Electret. 20-15 kHz. 2-/DC. **270-090 . . . . 1.79**

Omni Electret. With ds. 30-15,000 Hz. 4-/DC. **270-092 . . . . 2.99**

Mike Elements and Meter

(3) NEW! Micro Electret. Wire leads. Requires 1 to 10VDC. **270-085 . . . . 3.99**

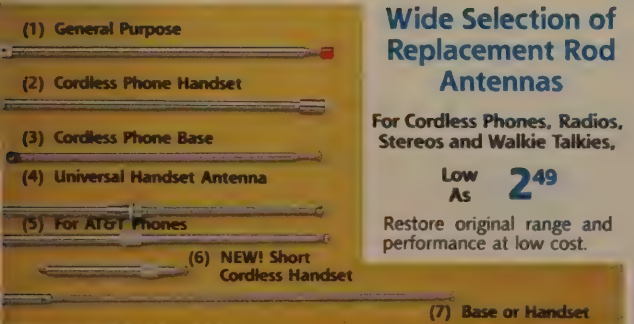
(4) Panel DC Voltmeter. 0 to 15VDC. Jeweled movement. **270-1754 . . . . . 7.95**

Wide Selection of Replacement Rod Antennas

For Cordless Phones, Radios, Stereos and Walkie Talkies,

Low As 2.49

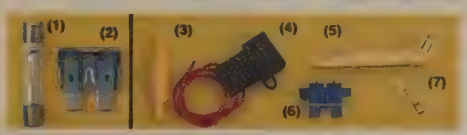
Restore original range and performance at low cost.


(1) General Purpose
(2) Cordless Phone Handset
(3) Cordless Phone Base
(4) Universal Handset Antenna
(5) For AT&T Phones
(6) NEW! Short Cordless Handset
(7) Base or Handset

	Sections	Extended	Cat. No	Each
	5	30½"	270-1401	2.99
	4	34¾"	270-1402	3.69
	3	39½"	270-1403	3.89
	6	72"	270-1408	3.99
	5	15½"	270-1406	2.79
	5	28"	270-1405	3.19

Fig.	Sections	Extended	Cat. No.	Each
4	5	13"	270-1407	2.79
4	6	17¾"	270-1409	2.59
5	6	16"	270-1410	2.99
6	6	11¾"	270-1411	2.99
7	2	16½"	270-1412	2.79
7	9	24"	270-1413	3.99
7	5	13½"	270-1414	2.49

Automotive Fuses and Accessories



(1) Glass-Type Fuse Kit. Includes 10 of the most used values: two SFE-20, one each of AGC 3, 10, 15, 25, 30; plus one each of SFE 7½, 9 and 14. **270-1262 . . . Set of 10/1.89**

(1) SFE-Type. 1¼ x ¼"-dia. glass fuses.

Amps	Cat. No.	Pkg. of 3
10	270-1279	.79
15	270-1280	.79
20	270-1268	.79

(2) "Blade"-Type Fuse Kit. Includes one each: 5, 7½, 10, 15 and 20 amps. Color coded. **270-1201 . . . . . Set of 5/1.59**

(2) "Blade"-Type Auto Fuses. Pkg. of 2/89¢

Amps	Cat. No.	Amps	Cat. No
5	270-1205	20	270-1208
10	270-1207	25	270-1214
15	270-1212	30	270-1209

Accessories

(3) Solderless ¼" Glass Fuse Holder. 20 amps. **270-1211 . . . . . 1.19**

(4) Inline 20A "Blade" Fuse Holder. 270-1213 . . . . . 1.59

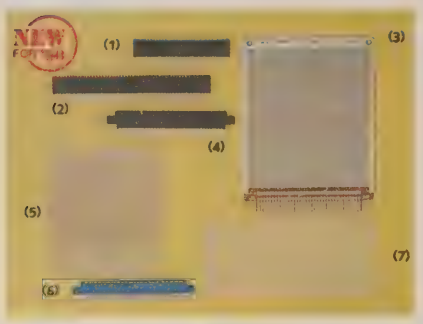
(5) Inserter/Extractor. For all car fuses. **270-1199 . . . . 99¢**

(6) NEW! Self-Strip "Blade" Fuseholder. Just insert wire and squeeze. Ideal for autosound. **270-1215 . . . . . 1.49**

(7) NEW! "Blade" Fuse Taps. Fast, easy way to connect power leads to car fuse panel. **270-1204 . . . Pkg. of 4/99¢**

Archer® PC Boards–The Bases for Great Projects

Plug-Ins and Perfboards



(1) NEW! 62-Position PC/XT Bus Card-Edge Connector. For short cards. **276-1453** **2.95**

(2) NEW! 98-Position AT Bus Card-Edge Connector. **276-1454** **4.95**

(3) 72-Position Plug-In Board. 4½ × 5 11/16". Popular .100" contact centers. **276-192** **4.99**

(4) 72-Position Card-Edge Connector for Above. Mountable on IC-spaced PC board. **276-1452, 4.59**

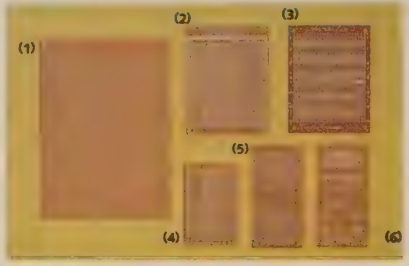
(5) 44-Position Plug-In Board. 4½ × 4". With 1/16" grids. Contacts on .156" centers. **276-154** .. **3.49**

(6) 44-Position Card-Edge Connector for Above. Solder-tail type. **276-1551** **2.99**

(7) IC-Spacing Perfboard. Have .042" prepunched holes in standard .100 × .100" grid.

Size	Cat. No.	Each
2¾ × 6"	276-1395	1.99
4½ × 6"	276-1394	2.19
6 × 8"	276-1396	2.99

Predrilled Boards



(1) Grid Boards. Solder-ringed holes. Accept DIP ICs, sockets and headers. Columns and rows are indexed for easy pin-out indentification.

Size	Holes	Cat. No.	Each
4 1/2 × 6 5/8	2200	276-147	3.79
2¾ × 3¾	750	276-158	2.29
1 27/32 × 2 27/32	356	276-149	.99

(2) Universal Board. 750 solder-ringed holes accept DIPs up to 40 pins. Indexed. Two buses, one ground strip. 3 3/8 × 2 7/8". **276-168** **2.29**

(3) IC/LSI Board. For LSI ICs up to 40 pins. Has 750 solder-ringed holes. Indexed on both sides. DIP centers. 2 13/16 × 3¾". **276-162** **2.29**

(4) Multipurpose Board. Two bus strips at the center. Pattern on component side. 417 solder points. 1 27/32 × 2 27/32". **276-150** ..... **99¢**

(5) Dual Mini-Board. 213 holes. 1¾ × 3 5/8". Can be snapped in half. **276-148** **1.39**

(6) Dual IC Board. Accepts two 6 to 20-pin DIPs. Provides four connecting points for each IC pin. 1¾ × 3 3/8". **276-159** **1.49**

Etch Your Own PC Boards

(1) PC Board Kit. Everything you need. Two 4½ × 3" copper-clad boards, resist-ink pen, solvent, etchant, layout strips/circles, tank, special 1/16" drill bit and instructions. **276-1576** **9.95**

Extra Pen. **276-1530** **1.79**

Extra Etchant. 16 ounces. **276-1535** **2.69**

(2) Direct-Etch Dry Transfers. Rub-on circles, strips, IC pads. **276-1577** ..... **Four Sheets 2.99**

(3) NEW! Double-Sided, Ready-to-Etch PC Board. 4½ × 6 3/8". **276-1499** **3.99**

PC-Board Accessories

(1) Standoffs With Screws. These 11/16"-high studs simplify board mounting. Metal construction permits easy grounding to chassis. **276-195, Set of 4/1.19**

(2) PC Board Wire Terminals. Two-position. For reliable hookups. **276-1388** ..... **Pkg. of 4/1.99**

(3) Circuit Symbols Template. Durable guide makes it easy to draw accurate schematic diagrams using industry-standard symbols. **276-180** **3.95**

Complete Your Project With an Affordable Archer® Enclosure

Experimenter Enclosures

With internal slots for mounting a PC board.

Size	Cat. No.	Each
4 × 2 × 1 3/16"	270-220	1.79
4 × 2 7/16 × 1 1/16"	270-221	1.99
4¾ × 2 1/2 × 1 1/16"	270-222	2.39
6 × 3 3/16 × 1 7/8"	270-223	2.89
7 1/2 × 4 1/4 × 2 1/4"	270-224	3.19

Boxes With Aluminum Covers

Size	Cat. No.	Each
3 1/4 × 2 1/8 × 1 1/8"	270-230	1.69
4 × 2 1/8 × 1 5/8"	270-231	1.89
5 1/16 × 2 5/8 × 1 5/8"	270-233	2.19
6 1/4 × 3¾ × 2"	270-627	2.59
7¾ × 4 3/8 × 2 3/8"	270-232	3.39

High-Style "Pro" Enclosures

Two-Piece Design. Interlocking—easy to shorten, if desired. Polycarbonate material is impact resistant yet easily drilled. Accepts PC board and 9V battery. 5 5/8 × 2 1/4 × 1 1/16". **270-257** **4.99**

Transmitter Case. Ideal for an RF or infrared control, beeper or portable device. Durable molded case has a removable end panel and compartment for 9V battery. 3¾ × 2 5/16 × 1". **270-293** **3.99**

Box and PC Board Combos

Archer PERFBOX®. Just add your circuit! Includes predrilled 2 × 3 1/8" board. Molded enclosure is 3 7/16 × 2 5/16 × 1 3/16". Includes labels, protective feet and hardware. **270-291** **4.99**

Project Box With PC Board. Sensational value! Attractive gray enclosure with aluminum cover. 3 3/16 × 2 1/8 × 1 3/8". Includes assembly hardware and protective vinyl feet. **270-283** **3.99**

Metal Enclosures and Labels

(1) Metal P-BOX®. With assembly hardware.

Size	Cat. No.	Each
2¾ × 2 1/8 × 1 5/8"	270-235	1.79
4 × 2 1/8 × 1 5/8"	270-239	1.99
5 1/4 × 3 × 2 1/8"	270-238	2.49

(2) Project Labels. Four 7/8 × 3" sheets of rub-on letters and symbols. **270-201** ..... **Set 2.99**

(3) Deluxe Boxes. Steel. Low-profile styling.

Size	Cat. No.	Each
11 5/16 × 8 1/4 × 6 1/8"	270-272	8.49
3 1/16 × 8 1/4 × 6 1/8"	270-274	10.49

(4) Metal Cabinet. Steel top. Aluminum front, back, bottom. 3 × 5 1/4 × 5 7/8". **270-253** **5.99**

Computer/Peripheral Connectors at Low Prices

Peripheral Partners

(1) RS-232 Troubleshooter Box. LEDs monitor seven data/control lines. **276-1401 . . . . 14.95**

(2) NEW! Shielded Stunt Box. Wire mini PC board to suit your application. **276-1403 . . . 9.95**

(3) NEW! DIP Programming Shunts. 276-1512 . . . 10/1.29

Networking Helpers

Use Phone Cable Instead of Costly Shielded Wire for LANs

(1) NEW! Modular Balun. BNC to modular jack. **276-1410 . . . . . 16.95**

(2) RS-232 to Modular Adapter. Female D-25 to RJ-45 (8-position) modular jack. **276-1406 . . . . . 4.49**

Male D-9 to RJ-11 (6-Position) Modular Jack. 276-1405 . . . . . 2.99

Radio Shack—The Store For Builders Since 1921

For 1990, Radio Shack continues its tradition of offering a wide selection of up-to-date electronics for professionals, experimenters and students. Our PC boards, enclosures, and computer connectors are good examples. We carry styles to meet almost every need—all at reasonable prices and available at our store or dealer near you.

Solderless IDC-Type Connectors

Fig.	Description	Cat. No.	Each
1	25-Position D-Sub Male	276-1559	3.99
2	25-Position D-Sub Female	276-1565	3.99
3	36-Position Male Printer	276-1533	4.99
4	34-Position Card-Edge	276-1564	1.99
5	34-Position Header	276-1525	2.49

Gold-Plated Contacts

(1) Crimp-Style D-Sub Connectors.

Pos.	Type	Cat. No.	Each
9	Male	276-1427	.99
9	Female	276-1428	1.19
25	Male	276-1429	2.49
25	Female	276-1430	2.99

(2) High-Density 15-Position D-Sub Crimp-Type Connectors. Use 9-position hood.

Type	Cat. No.	Each
Male	276-1418	4.49
Female	276-1419	4.99

D-Sub and IDC Tools

(1) D-Sub Pin Crimper. Professional grade steel tool accepts #20, #24 and #28 pins and has thick cushion grips. 6 7/8" long. **276-1595 . . . . . 9.95**

(2) IDC Connector Tool. Quality steel tool attaches IDC-type connectors to flat cables. With thick cushion grips. 9 13/16" long. **276-1596 . . . . . 12.95**

DIN Plugs

Use with inline DIN jacks, below to make custom extension cables for keyboards and peripherals.

Fig.	Positions	Cat. No.	Each
1	4	274-007	1.69
2	5	274-003	1.69
3	6	274-020	1.79
4	8	274-026	1.79

D-Sub Hoods

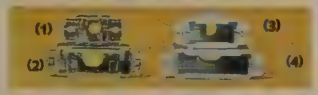


Fig.	Description	Cat. No.	Each
1	9-Position Metal	276-1508	2.19
...	25-Position Metal	276-1510	2.79
2	9-Pos. Metalized	276-1513	1.49
...	25-Pos. Metalized	276-1536	1.99
3	9-Pos. Nonshielded	276-1539	.79
...	25-Pos. Nonshielded	276-1549	.89

(4) 25-Pos. Use as hood or gender-changer foundation. **276-1520, 1.79**

Inline DIN Jacks

For custom hookups and extensions.

Fig.	Positions	Cat. No.	Each
1	5	274-006	1.69
2	6	274-021	1.69
3	8	274-027	1.99

Solder-Type D-Subs

Highest quality gold-plated pins and terminals for greatest reliability. Metal shell assures preservation of shielding, where desired.

Positions	Type	Cat. No.	Each
9	Male	276-1537	.99
9	Female	276-1538	1.99
25	Male	276-1547	1.49
25	Female	276-1548	2.49

6-Foot AC Cords

Grounded ■ UL Listed

(1) NEW! CEE (HP-Type) Extension. Great for monitors. **278-1259, 4.99**

(2) NEW! With 90° CEE Connector. For tight spaces. **278-1260 . . . 5.99**

(3) With Straight CEE Connector. 278-1257 . . . . . 3.99

Multiconductor Cable

For LANs and Peripherals

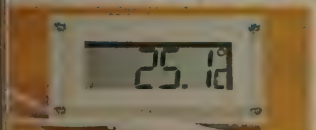
(1) NEW! Double-Shielded Cable.

Conductors	Outer Braid	Cat. No.	Per Foot
9	6 x 34-Gauge	278-775	.59
25	8 x 34-Gauge	278-776	1.19

(2) Ribbon Cable. Nonshielded.

Conductors	Length	Cat. No.	Each
25	5 Feet	278-772	3.59
36	6 Feet	278-774	4.69

Prewired, Panel-Mount Archer® Modules—Ready for Your Project!



NEW FOR '90

19.95

Temperature Indicator/Controller. Use "as-is" for a thermometer or add simple circuits to control a buzzer, LED, fan, heater. Programmable high/low activation temperatures. LCD with 1/2" digits. −40 to +122° F, −40 to +50° C ranges. 2 11/16 × 1 3/8 × 1 1/8". Requires "AA" battery. Draws only 10 µ amps. With probe, cord, data. **277-123 . . . . 19.95**

NEW FOR '90

16.95

Electronic Counting Module. Counts up to 99,999. Advanced by external switch closure or digital circuit. Count rate up to 7 Hz. 1/2" LCD display. Same size as module at left. Has panel-mount escutcheon and holder on back for required "AA" battery. Long battery life—operating current is only 4 µA. With data. **277-302 . . . . . 16.95**

14.95

NEW FOR '90

Electromechanical Counter. Extra-rugged device with many uses—at a bargain price! Advances one count with a 12VDC pulse. Counts up to 99,999 with manual pushbutton reset. Easily mounts in a 1 11/16 × 1" panel hole. Overall depth: 1 13/16". With leads and data. **277-222 . . . . . 14.95**

SEE PAGE 92 FOR INFORMATION ON QUANTITY DISCOUNTS

Fix It Right With Archer® Soldering Equipment

Portable Gas-Powered Soldering Tool

29.95

No Cords or Gas Cylinders

For precision soldering with equivalent of 10-60 watts. Up to 60 minutes continuous use per tank. Refills in seconds with standard butane lighter fuel!

64-2161 . . . . . 29.95

2.4mm Replacement Tip. 64-2162 . . . 9.95

1.0mm Replacement Tip. 64-2163 . . . 9.95

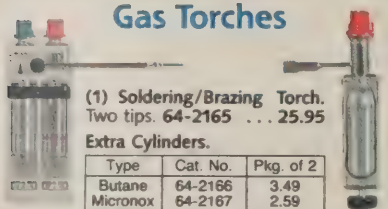
Blow Torch Tip. 64-2168 CMC . . 9.95

Heat Blower Tip. 64-2169 CMC . . 9.95

Hot Knife Tip. 64-2170 CMC . . 9.95

64-2168/2169/2170 Avail. on Special Order From CMC

Gas Torches



(1) Soldering/Brazing Torch. Two tips. **64-2165** . . . 25.95

Extra Cylinders.

Type	Cat. No.	Pkg. of 2
Butane	64-2166	3.49
Micronox	64-2167	2.59

(1)

(2) Pocket Butane. With refill. **64-2164** 11.95 (2)

10-Piece Tool Set

16.95

30-watt UL listed AC iron, stand, solder, soldering helper, pliers, diagonal cutter, three screwdrivers, heat sink. **64-2801** 16.95

5-Piece Soldering Set

6.95

UL listed AC 30-watt iron, stand, rosin core solder, soldering helper, heat sink and instructions. **64-2802** 6.95

100-Watt Gun

10.95

Pull trigger for full heat in seconds. UL listed AC.

64-2193 . . . . . 10.95

Extra Tips for Use With	Cat. No.	Pkg. of 2
Archer 64-2193/2192 Archer 64-2191	64-239 64-238	1.79 1.79
Weller D440, 8200; Archer 64-2190 Weller D550	64-237 64-234	1.79 1.79

Desoldering Iron

8.49

"One-hand" design. With vacuum bulb, desoldering iron, tip. 45 watts. UL listed AC. **64-2060** 8.49

Replacement Tip. 64-2061 . . . . . 99¢

Pro Soldering Station With Dual-Wattage Setting

39.95

- **All-on-One Design for Maximum Efficiency**
- **Switchable From 15W to 25W**

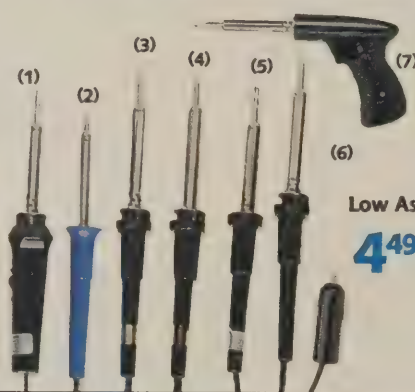
Dual wattage control. Fully grounded tip for safe use on sensitive components and circuit boards. Handy sponge. UL listed AC. **64-2057** . . . 39.95

Iron-Clad Tips. (2-pack) **64-2089** 4.99

Surface-Mount Tips. (2-pack) **64-2074** . . . 4.99

Everything in Top-Quality Soldering Pencil Irons and Gun

All AC Soldering Equipment UL listed



Low As 4.49

(1) Dual-Heat Pencil Iron. Switchable from 15 to 30 watts. **64-2055** 8.95

Replacement Tip. 64-2065 . . . . . 99¢

NEW! Replacement Chisel Tip. 64-2056 . . . . . 1.19

(2) 15-Watt Pencil. Grounded tip is especially suitable for integrated circuits. **64-2051** 7.49

Replacement Tip. 64-2052 . . . . . 99¢

(3) 40-Watt Pencil. Insulated, 1/4" screw-in tip. 600-640° F. **60-2071** 7.29

Replacement Tip. 64-2072 . . . . . 1.19

(4) 25-Watt Pencil. Same as 64-2071, but with 5/32" tip. **64-2070** 6.29

Replacement Tip. 64-2073 . . . . . 99¢

(5) 30-Watt Pencil. 64-2067 . . . . . 4.49

Replacement Tip. 64-2065 . . . . . 99¢

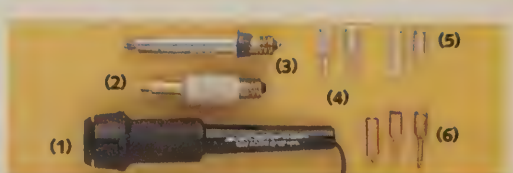
(6) 12VDC 30-Watt Pencil. 64-2105 . . . . . 5.49

Replacement Tip. 64-2072 . . . . . 1.19

(7) 30-Watt Cool-Grip Gun. 64-2066 . . . . . 4.99

Replacement Tip. 64-2065 . . . . . 99¢

Create Your Own Soldering Iron



Heating elements and handle UL listed AC.

Fig.	Description	Cat. No.	Each
1	Cool Grip Handle 700° F.	64-2080	6.49
2	Heating Unit (23W)	64-2081	5.99
3	800° F. Htg. Unit (33W)	64-2082	7.99
4	Iron-Clad Lt. Duty Tips (2)	64-2089	4.99
5	Plated Surface-Mount Tips (2)	64-2074	4.99
6	Light, Med., Hvy. Duty Tips (3)	64-2084	4.49

Innovative Soldering Accessories and Project Helpers

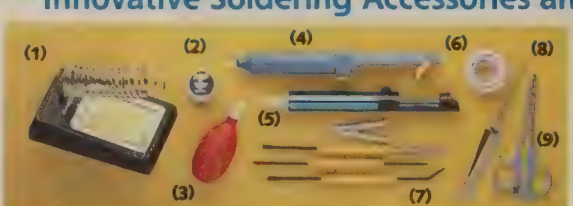


Fig.	Description	Cat. No.	Price
1	Solder Iron Holder/Cleaner	64-2078	6.29
2	Tip Tinner/Cleaner	64-020	4.99
3	Desoldering Bulb	64-2086	2.59
4	Desoldering Tool	64-2120	6.95
5	Vacuum Desoldering Tool	64-2098	5.99
6	Desoldering Braid	64-2090	1.69
7	4-Piece Helper Set. Heat sink, brush/scraper, probes	64-2227	3.99
8	Soldering Tweezer	64-1915	1.49
9	Straight Mini Forceps	64-1910	1.59

Chemicals, Tape and Helpers for Do-It-Yourselfers

Cleaning Sprays and Bonding Adhesives to Help You Do the Job Right

(1) TV Tuner Cleaner. Cleans dirty contacts in mechanical TV tuners. Also effective on "scratchy" volume and tone controls. 6 oz. **64-2315** **2.49**

(2) Color-TV Tuner Cleaner. For mechanical color-TV tuners. 6 oz. **64-2320** **3.19**

(3) Cleaner/Degreaser. Sprays away dirt and grime from circuits and components. 8 oz. **64-2322** **2.99**

(4) Dust Remover. Ideal for cleaning circuits, cameras, keyboards, projectors and copiers. 6 oz. **64-2325** **2.99**

(5) Component Cooler. Spray on components to spot thermal defects. 6 oz. **64-2321** **3.49**

(6) Rosin Flux Remover. Removes soldering flux deposits from circuits. 6 oz. **64-2324** **1.99**

(7) Anti-Static Spray. Prevents electrostatic charging when handling sensitive components and computer products. **64-2330** **1.99**

(8) All-Purpose Adhesive. Bonds china, glass, wood and metal. No-clog applicator. **64-2307** **1.59**

(9) Instant Bonding Glue. Bonds most nonporous materials in seconds. **64-2308** **1.49**

(10) Twin-Tube Epoxy. Easy to use. Meters out resin and hardener simultaneously. Bonds wood, metal, glass and most plastics. **64-2313** **2.49**

(11) Rubber Sealant. Silicone sealer bonds and caulks. Moisture resistant. **64-2314** **2.99**

(12) NEW! Hi-Tech Bonding Gel and Accelerator. Works when others fail. **64-2306** **5.99**

(13) NEW! Plastic Bonder. Bonds plastics, steel, wood, ceramics. **64-2305** **3.49**

(14) Plastic Repair Kit. Ideal for replacing or joining plastic parts. **64-2304** **4.99**

Tape to Meet All of Your Fix-It Needs

(1) NEW! Silicone Tape. Easier-to-use substitute for heat shrink tubing and tape. 1 × 4″ strips. Pack of eight. **64-2336** **1.99**

(2) Electrical Tape Assortment. PVC vinyl. 3/4″-wide by 12-foot rolls. Five colors. Five rolls. **64-2340** **2.19**

(3) Packaging Tape. 2″ wide. Seals against moisture and dirt. 165-foot roll. **64-2339** **2.49**

(4) All-Purpose Tape. 2″ wide. Unaffected by normal heat and cold. 30-foot roll. **64-2347** **2.19**

(5) 6″ Utility Knife. Always sharp. Snap blade end off for fresh edge. **64-1868** **1.29**

(6) PVC Electrical Tape. 1/2″ wide by 12 1/2-foot roll. **64-2348** . . . . . **59¢**

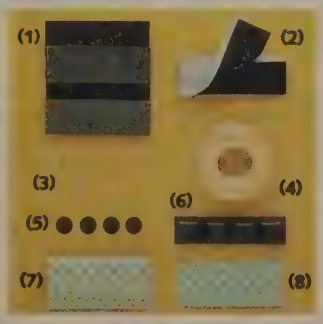
3/4″ × 20 Ft. **64-2349** . . . . . **89¢**

3/4″ × 66 Ft. **64-2350** **1.49**

Lube Gel and Oiler

(1) Lube Gel. Great for sliding doors, tools and hinges. **64-2326** **2.49**

(2) Precision Lubricator. For tools, electronic equipment. **64-2301** **1.69**



Handy Fasteners

Fig.	Description	Cat. No.	Each
1	Super-Lock Fasteners. 1 × 3″. Two pairs.	64-2360	2.49
2	Hook-and-Loop Fasteners. 3″ strips. Four pairs.	64-2345	2.19
3	Self-Sticking Clear Feet. Pack of 12.	64-2365	1.19
4	Two-Sided Foam Tape. 40″	64-2343	1.69
5	Self-Sticking Cushion Feet. Pack of 12.	64-2346	.99
6	Jumbo-Size Cushion Feet. Pack of eight.	64-2342	1.49
7	Two-Sided Foam Tape Strips. 1 × 3″. Pack of eight.	64-2344	1.99
8	Super-Mount™ Tape Strips. Pack of four.	64-2361	1.99

Quality Solder Products

Fig.	Description	Cat. No	Price
1	NEW! Rosin Soldering Paste Flux	64-021	1.79
2	Solder-Weld Silver-Bearing Paste	64-029	2.59
3	Handy-Pack Solder. 0.5 oz.. .062″	64-001	.89
3	NEW! Lead-Free Solder. 0.25 oz., .032″	64-025	1.99
3	NEW! Lead-Free Solder. 0.50 oz., .062″	64-026	1.49
4	Solder Tape. Pkg. of 100 Strips	64-010	1.49
5	Rosin Core Solder. Spool. 1.5 oz., .062″	64-002	1.49
5	Rosin Core Solder. Spool. 4.0 oz., .062″	64-004	3.49
5	Rosin Core Solder. Spool. 2.5 oz., .032″	64-005	3.19
5	Rosin Core Solder. Spool. 1.5 oz., .050″	64-006	2.29
5	Rosin Core Solder. Spool. 8.0 oz., .062″	64-007	5.99
5	NEW! Rosin Core Solder. 1 lb., .062″	64-008	8.99
5	NEW! Rosin Core Solder. 8 oz., .032″	64-009	6.49
5	Silver Solder. 62/36/2%. 1.5 oz., .028″	64-013	2.99
5	Hi-Tech Solder. 63/37%. 1.5 oz., .050″	64-015	2.49

Magnetic Products

(1) NEW! Horseshoe Magnet. Powerful 7 1/2 lb. pull. **64-1887** **7.49**

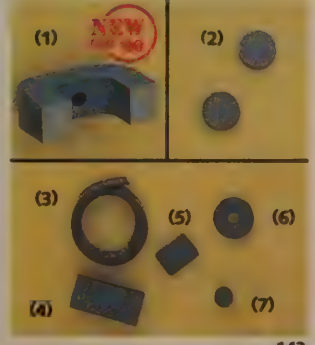
(2) NEW! Rare-Earth Magnets. Ideal for hobbyists. One pair. 1/4″ diameter. **64-1895** **1.49**

(3) Magnetic Tape. Self stick. **64-1890** . . . . . **99¢**

(4) High-Energy Magnet. Ceramic. 1 7/8 × 3/8 × 3/8″. **64-1877** . . . . . **89¢**

Ceramic Magnets. . . . . . **Each 21¢**

Fig.	Type	Cat. No.	Each		
			11-24	25-99	100-Up
5	1″ Rectang.	64-1875	18¢	17¢	15¢
6	1 1/2″ Round	64-1885			
7	1/2″ Button	64-1880			



RADIO SHACK SOLDER PRODUCTS MEET QQ•571 E FEDERAL STANDARDS

High-Quality Archer® Tools for Special Applications

Ultrasonic Tapeless Measure

39.95

Accurate Room Dimensions At the Press of a Button

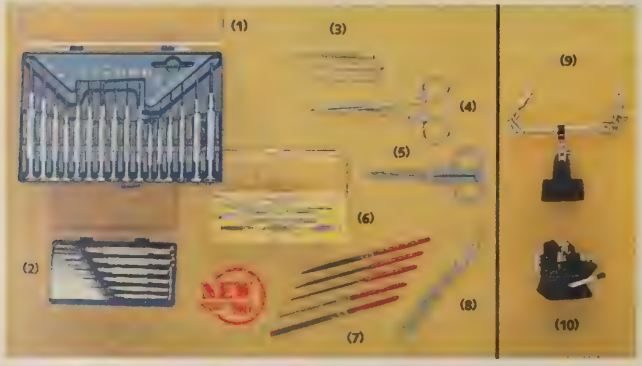
Electronic! Its custom-manufactured integrated circuit uses sound waves to get accurate linear distance measurements. Simply aim, press the button, and within seconds the easy-to-read LCD displays the distance in meters or feet. The Ultrasonic Tapeless Measure precisely measures distances from 2-45 feet with 99% accuracy. Beeps when measurement is taken. Auto-power off saves batteries. Requires 4 "AAA" batteries. **64-2830** **39.95**

The STUDFINDER

19.95

LEDs Help Find Exact Center of Wall Studs

It's easy to use and finds studs fast! Operates electronically and measures changes in wall density to accurately locate wooden studs or metal frames. Also locates pipes, electrical wires and conduit. Requires 9V battery. **64-2825** **19.95**



Precision Tool Sets and Instruments

(1) **Deluxe 16-Piece Precision Tool Set. 64-1961** **10.95**
(2) **Precision Screwdrivers.** For detail work. Size #1-6. **64-1948** **4.29**
Two Phillips and Four Standard Screwdrivers. 64-1959 ..... **4.29**
Six-Piece Crosspoint Set. 64-1962 ..... **4.29**
(3) **Three-Piece Mini Screwdriver Set.** A must for hobbyists. **64-1982** .. **1.49**
(4) **6" Locking Forceps. 64-1866** **4.95**
(5) **Straight 5" Mini Forceps. 64-1910** **1.59**
(6) **10-Blade Knife Set.** Interchangeable steel blades. **64-1801** **4.49**
(7) **NEW! Five-Piece Needle File Set.** Specially designed for precise filing on hobby kits, models, PC boards and more. **64-1985** **5.99**
(8) **Multipurpose Hobby Knife.** Surgically sharp steel blade. **64-1805** ... **1.29**
(9) **"Helping Hands" Project Holder.** Holds work in any position. **64-2093, 7.99**
(10) **Strong Mini-Vise.** Vacuum base mounts to smooth surfaces. **64-2094, 4.19**

Screwdriver and Nutdriver Tool Sets

(1) **Deluxe Seven-Piece Screwdriver Set.** Includes 1/4 × 1 1/2" stubby, 1/8 × 1/4" midget, 1/4 × 4 1/4" mechanics' screwdriver, 3/16 × 4" and 3/16 × 6" cabinet, #1-2 Phillips. **64-1823** **5.99**
(2) **High-Impact Eight-Piece Nutdriver Set.** Interchangeable tempered steel drivers. 1/8", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8". **64-1800** **5.99**
(3) **Six-Piece Nutdriver Set.** Durable tempered steel. Auto and home applications. Easy-grip molded handles. 3/16" to 7/16" sizes. **64-1821** **3.99**
(4) **Reversible Screwdriver.** Driver bar has a Phillips on one end and a standard head on the other. **64-1950** **2.69**
(5) **Versatile 4-in-1 Tool Kit.** Four-piece set includes an awl, two flathead screwdrivers and a Phillips. **64-1819** **1.59**
(6) **18-Piece Hex Key Set.** Has 18 tempered steel keys to fit popular hex nuts. Complete range of short and long arm sizes. **64-1849** **3.19**

Finely Crafted Portable Magnifiers

- **Ideal Tools for Hobbyists**
- **Hundreds of Uses**

(1) **Pocket Magnifier.** Great for studying maps, diagrams, photos and more. 2 1/8" square. **63-852** .. **1.39**
(2) **Lighted Magnifier.** Dual magnification. 2 3/4" main lens or 1" inset for fine details. Requires 2 "AA" batteries. **63-848** **5.95**

30-Power Lighted Hand Microscope

NEW FOR '90 **9.95**

Puts Light Directly Onto Objects

Ideal for field use. With 8X slide-out magnifier. Pocket-sized. Adjustable rotary focusing knob. Carry case. Requires 2 "AA" batteries. **63-851** **9.95**

PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS

Tools and Accessories for Every Do-It-Yourselfer

Easy-to-Use Crimpers and Strippers

(1) Deluxe Crimping Tool Set. Includes heavy-duty tool, assorted terminals. **64-409** **10.95**

(2) "Pro"-Quality Stripper. Spring-action. For 8 to 22-gauge wire. 7" long. **64-1919** **11.95**

(3) Spring Action Stripper/Cutter. For 12 to 24-gauge wire. Insulated. **64-2129** **2.79**

(4) "Dial" Wire Stripper. Insulated grips. **64-1952** **4.29**

(5) Crimping Tool. Also strips and cuts 10 to 22-gauge wire. Cushion grips. 8½" long. **64-404** ... **5.49**

(6) 6" Long-Nose Pliers. Has built-in stripper, cutter, crimper and nut wrench. **64-1847** **4.99**

Premium-Quality Pliers and Cutters

(1) Professional Quality 5¼" Long-Nose Pliers. 64-1812 ..... **6.99**

(2) 4¾" Long-Nose Pliers. Insulated grips. **64-1843** **4.49**

(3) 6½" Long-Nose Pliers. Insulated grips. **64-1844** **3.49**

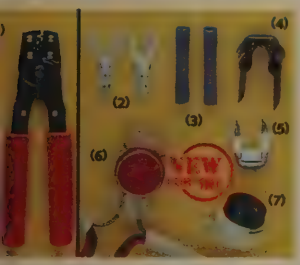
(4) "Pro"-Quality 4½" Diagonal Cutters. Insulated grips. **64-1813** **6.99**

(5) 4½" Diagonal Cutters. Insulated grips. **64-1841** **4.49**

(6) 6" Diagonal Cutters. Comfortable, insulated grips. **64-1845** **3.49**

(7) 5" Nippy Cutters. Flush-cutting design. Spring-action handles. **64-1833, 3.79**

Wiring Accessories



Description	Cat. No.	Price
Pro-Quality Phone Installation Tool	64-410	7.49
Insulation-Piercing Phone Spade Lugs	64-3070	24/1.29
Phone Butt Connector	64-3073	24/1.29
Standard Wire Staples	64-2875	40/.89
Mini Wire Staples	64-2876	50/.89
Phone/Alarm Wire Splice	64-3080	4/1.69
Phone UG Tap Connector	64-3081	4/1.89

Lugs, Terminals

Fig.	Description	Cat. No.	Price
1	Small Gold-Plated Terminals	64-402	8/4.49
2	Large Gold-Plated Terminals	64-401	8/4.99
3	Solderless Crimp Lugs	64-406	100/1.99
	Insulated Crimp Lugs	64-407	75/1.99
	Antenna Lead Terminal	64-408	12/1.29

Tap-In Connectors

(1) Wire Tap-Ins. Just squeeze for a secure tap on 14-18 gauge wire. **64-3052** **10/1.69**

(2) NEW! Low Voltage Tap-Ins. For 18-22 ga. wire. **64-3053** ... **7/1.69**

Values in Dependable Archer Tools

(1) Tapered Reamer. Cuts holes up to ½" in diameter. **64-815** **4.99**

(2) Mini Drill. Two extra bits in handle. 3¼" long. **64-2097** **3.69**

(3) Locking Long-Nose Pliers. Doubles as a wrench. 6" long. **64-1864, 4.99**

(4) Nibbling Tool. Neatly cuts up to 18-gauge steel, 1/16" copper, aluminum, plastic. **64-823** **10.95**

(5) Five-Piece TV Color Alignment Kit. 64-2220 ..... **2.99**

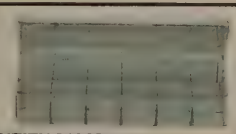
(6) Two-Piece TV Alignment Kit. 64-2223 ..... **99¢**

(7) Anti-Static TV Alignment Kit. 64-2230 ..... **4.19**

Hardware Handy-Packs—Only 1.29 Each

Fig.	Description	Cat. No.
1	Round-Head Machine Screws 14 Each of 2-56 x ¼", ½" and ¾"	64-3010
	Machine Screws. 4-40. Lengths as above	64-3011
	Machine Screws. 6-32. Lengths as above	64-3012
2	Pan-Head Sheet Metal Screws. Five each: #4 x ½", #6 and #8 x ¼", ⅜", ½"	64-3016
3	Steel Machine Hex Nuts. 40 each: 2-56	64-3017
	Steel Machine Hex Nuts. 30 each: 4-40	64-3018
	Steel Machine Hex Nuts. 30 each: 6-32	64-3019
4	Control Nuts. Eight each: ⅜"-32. 15/32"-32. Seven of .475"-32	64-3020
5	Metric Control Nuts. Seven each: 13.0 x 2.4 and 15.0 x 2.0. Six each: 15.0 x 1.5	64-3063
6	Steel Flat Washers. 20 each of #2, #4, #6, #8, #10	64-3022
7	Aluminum Spacers. Pack of 24	64-3024
8	Vinyl Grommets. Seven each: ¼", 5/16", ⅜". Five each: 7/16", ½"	64-3025
9	Wire Connectors. 16 assorted	64-3026
	Polypropylene Cable Clamps. Pkg. of 18	64-3028
	Solderless Ring Tongue. Pkg. of 24	64-3030
10	Solderless Spade Tongue. Pkg. of 24	64-3031
	Solderless Insulated Ring Tongue. Four each: #6 (22-18). Two each: #8 (22-18), #6 and #8 (16-14)	64-3032
11	Solderless Insulated Spade Tongues	64-3033
12	Solderless #10 Spade Tongues 12 each: (22-18), (16-14)	64-3034
	As above, but five each	64-3035
13	Butt Connectors 10 each: (22-18) and (16-14)	64-3036
14	Insulated Butt Connectors. Pkg. of 10	64-3037
15	Male Quick-Disconnects. Pkg. of 8	64-3038
16	Female Quick-Disconnects. Pkg. of 8	64-3039
17	Insulated Large Ring Tongues. Pkg. of 6	64-3040
18	Nylon-Insulated Closed-End Connectors Five each: (22-14), (16-10)	64-3041
19	Solderless Spade. Pkg. of 10	64-3042
20	Solderless Flanged Spade. Pkg. of 24	64-3043
21	Solderless Insulated Flanged Spade Pkg. of 8. For 22-14 wire size	64-3044
22	Fem. Flag Quick Disconnect. Pkg. of 10	64-3046
23	Solderless Insulated Male/Female Quick-Disconnects. For 22-14 wire size	64-3049
24	Bullet Connectors. Insulated. Pkg. of 9	64-3047
25	Single Female to Dual Male Quick Disconnect. Includes three right angle and three offset.	64-3061

In Convenient "See-Thru" Packs



Storage Boxes

Size	Sect.	Cat. #	Each
8½ x 4¾ x 1½"	6 or 18	64-522	2.99
4⅝ x 4⅝ x 1"	6	64-553	1.59

SEE PAGE 92 FOR INFORMATION ON LARGE-QUANTITY DISCOUNTS

SAFEHOUSE® 24-Hour Security System Protection

Burglar and Fire Alarm Center

169.95 Low As $15 Per Month

- **Six Alarm Systems in One**
- **Battery Backup**
- **Complete Around-the-Clock Fire Protection**

Protect yourself and your home with this sophisticated, easy-to-install perimeter/interior alarm and fire detection system. The control unit's four independently operated burglar alarm trigger "loops" permit selectable zones of protection to suit your lifestyle. A supervised fire alarm loop stays armed 24 hours to alert you of smoke or fire instantly. An additional 24-hour protection loop can be connected to alert you of tampering. Or hook up a panic button to sound the alarm whether system is armed or not. Variable entry delay up to 40 seconds and exit delay up to 45 seconds. Magnetic switches, smoke, temperature, motion and other sensors may be added anytime. The system can even activate a phone dialer to automatically call for emergency help. Step-down transformer reduces 120VAC to 24VDC. 13 × 9½ × 3¾". UL listed AC. Battery backup requires two 6-volt batteries, below. **49-470** (TSP available) **169.95**

6V Rechargeable Battery. 23-181 . . . . . **Each 9.95**

Alarm System Package

Save $33.20 Reg. Separate Items 258.15

Low As $15 Per Month **224.95**

(1) **Alarm Control Unit, 49-470**
(2) **100 Feet of Wire, 278-860**
(3) **System Smoke Alarm, 49-481**
(4) **Electronic Siren, 49-488**
(5) **Lock and 2 Keys, 49-523**
(6) **Magnetic Switches (4), 49-495**

Burglar Alarm Control Center

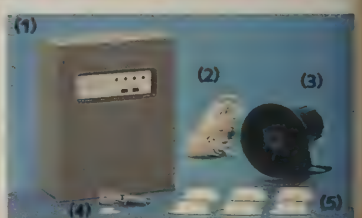
109.95 Low As $15 Per Month

Add Accessories for a Custom-Designed System

Perimeter protection, the type used by professionals! Design your security around alarm bells, sirens, strobes, key locks, vibration and glass-breakage detectors or motion sensors. The system has two alarm "loops"—one instant, one with adjustable 0-45 second entry/exit delays. Add up to ten arm/disarm key switches for entrances. There's even a 24-hour panic switch circuit. Alarm shuts off after five minutes, then resets. Safe-low-voltage transformer plugs into 120VAC. Automatic battery backup in case of AC failure. Four LED status indicators. Power-on and arm/memory LEDs assure system is armed and ready. Loop indicator lights when all detectors are in their normal state and show if any window or door is unprotected. Battery and bell test buttons. All-steel control center, 11 7/16 × 8 1/4 × 3 9/16". UL listed AC. Backup requires two 6-volt batteries, below.

49-450 (TSP available) **109.95**

6V Rechargeable Battery. 23-181 . . . . . **Each 9.95**



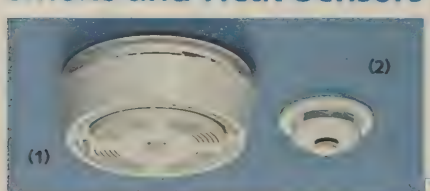
Alarm System Package

Save $20.25 Reg. Separate Items 160.20

Low As $15 Per Month **139.95**

(1) **Alarm Control Unit, 49-450**
(2) **100 Feet of Wire, 278-860**
(3) **Electronic Siren, 49-488**
(4) **Lock and 2 Keys, 49-523**
(5) **Magnetic Switches (4), 49-495**

Smoke and Heat Sensors



(1) **Smoke Sensor.** Monitors for smoke or combustion particles. Four-wire hook-up system is powered by control unit. Has loud, built-in alarm. 5¼" dia. × 2". UL listed. **49-481** **37.95**

(2) **135° Heat Sensor.** Use in areas not suited for smoke sensor. **49-482** **6.95**

190° Heat Sensor. As above but for attics, furnace rooms and garages. **49-483** **6.95**

These sensors work only with 49-470 or similar system.

Infrared Motion Sensor

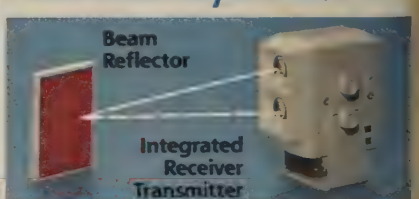
59.95

- **Dual Elements**
- **Tamper Switch**

Infrared sensor detects intruders by sensing body heat. Dual-element design extends coverage zones and helps prevent false alarms. For 49-450 and 470 systems. Walk-test LED determines area covered. Requires 12VDC at 20 mA. UL listed.

49-531 . . . . . **59.95**

Photorelay Sensor



37.95 **Pulsed Beam Guards Openings to 30 Feet**

Projects an invisible beam of infrared light across a space to the included reflector. When the beam is broken, the sensor instantly alerts your alarm system. With hardware and installation instructions. Requires 12VDC at 60mA from alarm system. UL listed.

49-551 . . . . . **37.95**

PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS

Easy Ways to Customize Your Security Alarm System

Automatic Security/Emergency Message Dialer

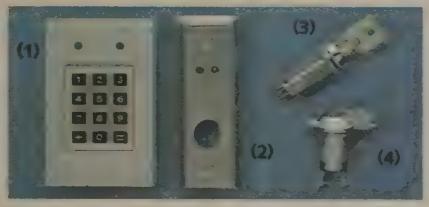
99.95 NEW FOR '90

Low As $15 Per Month

- **Large "Panic" Button**
- **Dials Up to Three Numbers**

Can be triggered by an alarm system or by the touch of a button. Dials numbers in sequence and plays your prerecorded message to alert police, fire, doctor or anyone you choose in an emergency. Monitor switch, built-in mike, message-is-playing and battery-check LEDs. Battery-backup system in case AC power fails. Works on any pulse or tone line. UL listed AC. Backup requires 3 "AA" and 4 "C" batteries. FCC registered. 2¾ × 9 × 6¾". **49-433** **99.95**

Locks and Key Switches



(1) Digital Key Switch. Programmable code arms/disarms system—10,000 combinations. Requires 10-16VDC at 70 mA. UL listed. **49-535** **22.95**

In-Wall Mounting Box. For above. **279-341** ... **2.59**

(2) Remote Key Plate. 6 or 12VDC. **49-524** ... **6.95**

(3) Round Lock Switch. Momentary contact for 49-450, 49-470. Two keys. **49-523** **9.95**

Locking. Above, but locking contacts. **49-511** .. **9.95**

(4) Lock Switch With Cover. 2 keys. **49-515** ... **4.79**

Door/Window Contacts

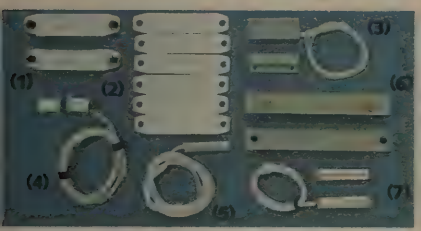
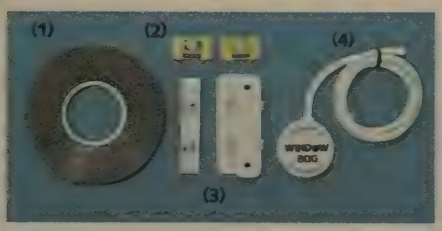


Fig.	Description	Cat. No.	Price
1	Door/Window Switch (N.C.)	49-495	3.59
—	Door/Window Switch (N.O.)	49-512	5.19
2	Spacers (For Above)	49-519	Pkg. 6/1.29
3	Mini Magnetic Switch (N.C.)	49-497	3.99
4	Press-Fit Switch (N.C.)	49-505	5.99
5	Concealed Magnetic Switch	49-496	3.99
6	Wide-Gap Switch (N.C.)	49-499	6.29
7	NEW! Threaded Magnet Switch	49-503	6.99

Foil, Contacts and More



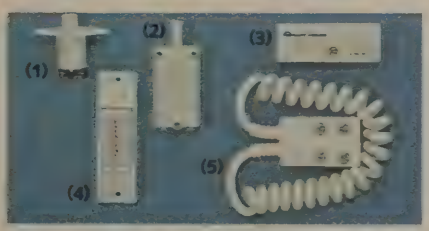
(1) Foil. Connects to alarm and glass. Self-adhesive 120-foot × 3/8-inch roll. **49-502** **6.19**

(2) Self-Adhesive Foil Connectors. For professional-type installation. UL listed. **49-504** **3 Pair/2.59**

(3) Foil/Vibration Sliding Window/Door Contact. Mount half on window or door, other half on frame. Allows normal door/window use. UL listed. **49-518** **3.99**

(4) Glass Breakage Detector. Guards up to 32 sq. ft. For open or closed circuits. UL listed. **49-516** **7.95**

System Accessories



(1) Contact Switch. For window or door frame. N.C. (pressed). With hardware. UL listed. **49-513** ... **1.29**

(2) Tamper Switch. Protects alarm panel, siren or bell box. N.O. (pressed). UL listed. **49-528** **1.59**

(3) Vibration Detector. Adjustable sensitivity. For N.C. loops. UL listed. **49-521** **3.95**

(4) Panic Switch. Push button to trigger connected alarm. N.O. (unpressed). UL listed. **49-517** **1.49**

(5) Jumper Cord. 49-548 ..... **4.19**

Light, Sound and Wire

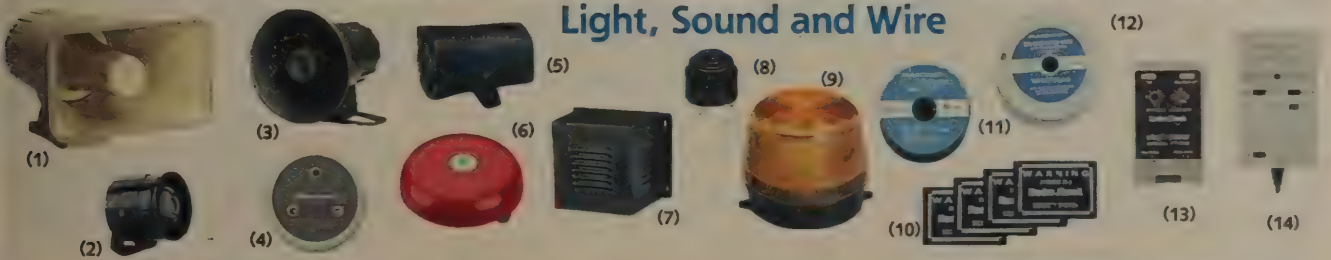


Fig.	Description	DC Volts/Amps	Cat. No.	Price
1	High-Power 2-Sound Siren	6-12/1	49-525	41.95
2	High-Efficiency 2-Sound Siren	12/0.33	49-479	22.95
3	Indoor/Outdoor 2-Sound Siren	12/0.5	49-488	19.95
4	Indoor 2-Sound Siren	12/0.36	49-490	12.95
5	High-Efficiency Siren	12/0.24	49-489	10.95
6	Heavy-Duty 8" Bell	12/0.6	49-498	31.95
7	Siren Enclosure	—	49-486	12.95
8	Piezo Buzzer (Pre-Alarm)	4-28/0.2	273-068	7.95

(9) Strobe Light. Helps emergency vehicles find your home. Requires 12VDC at 0.2 amp. **49-527** **21.95**

(10) Warning Decals. Vinyl adhesive mounts on glass, warns would-be burglars. **49-507** ..... **Pkg. of 4/1.19**

(11) 100-Foot 2-Conductor Twisted Wire. For alarm system connections. 22-gauge. **278-860** **5.99**

300-Foot 2-Conductor Wire. 278-861 ..... **17.49**

(12) 100-Foot 6-Conductor Cable. Minimizes the number of cables between alarm center and door/window detectors and switches. **278-374** **14.95**

(13) Universal Plug 'n Power™ Interface. Turns on or flashes lights when activated by alarm system. Test button. UL listed AC. **61-2687** **19.95**

(14) Latching Continuity Tester. Makes alarm system troubleshooting much easier. **22-110** **16.95**

SALE/USE OF MOBILE SIRENS IS PROHIBITED IN CALIF. & CERTAIN OTHER STATES. USE OF EMERGENCY DIALER MAY BE REGULATED BY STATE OR LOCAL LAW

Radio Shack is Your Home Security Headquarters

Infrared Motion-Sensing Alarm System

99.95

Low As $15 Per Month

Easy to Install—Just Plug Into AC

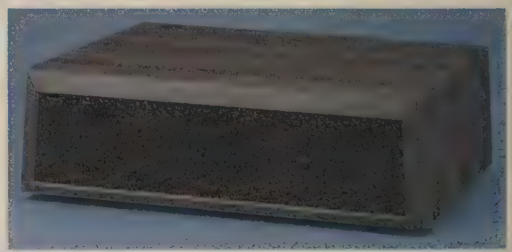
Just the thing for apartments and smaller homes. Sensitive alarm detects motion and body heat within a 20 × 30-foot "cone of protection". Use the built-in "walk-test" LED indicator to define the protection area. Built-in alarm auto-resets after five minutes. Has 15-second entry and 20-second exit delay. Terminals for adding external alarm, remote arm/disarm switch, security dialer. Automatic backup if AC fails. 3¾ × 10½ × 8¼". UL listed AC. Backup requires 8 "C" batteries. **49-308** **99.95**

Ultrasonic Motion-Sensing Alarm

59.95

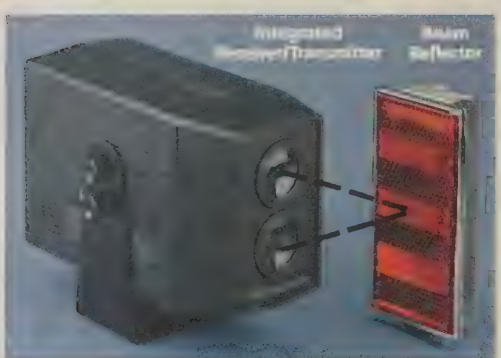
No Wiring To Install

Just Plug Into AC Outlet



Uses sophisticated ultrasonic sound field to protect a 20 × 30-foot area in your home. Loud internal alarm can be set to sound instantly when motion is detected, or can be programmed for a 15-second entry delay or a 20-second exit delay. Alarm auto-resets after five minutes of operation. Adjustable sensitivity control, built-in "walk-test" LED indicator to define protected area, plus terminals for adding an external sounder and remote on/off switch. Provision for adding battery backup (requires external 12V lantern battery). 2¾ × 9½ × 8¼". UL listed AC. **49-303** **59.95**

Photorelay Alarm System With Pulsed Infrared Beam



69.95

- **Guards Against Intruders**
- **Announces Guests Or Customers**

Receiver/transmitter fires an invisible beam of light to the reflector (up to 50 feet away), which bounces it back. Built-in buzzer sounds if beam is interrupted. Alarm can be set to sound momentarily with auto-reset. LED test alignment indicator and adjustable sensitivity control. Provisions for adding battery backup (requires external 12V lantern battery), external strobe, bell, siren or auto-dialer. May be used with a central alarm system. Adjustable mounting bracket. 4⅛ × 3 × 7¼". UL listed AC.
49-307 . . . . . **69.95**

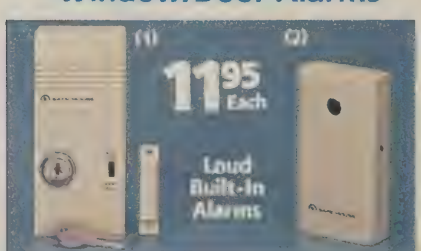
Door Alarm and Entry Chime

24.95

- **Arms With Keyboard Code**
- **Entry/Exit Delay**

Provides inexpensive alarm protection, plus a pleasant-sounding chime that announces callers. Simple do-it-yourself installation. 6⅝ × 2¾ × 1¼". Requires 9V alkaline battery. **49-422** . . **24.95**

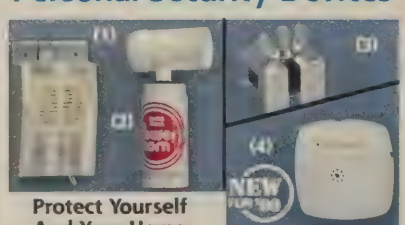
Window/Door Alarms



(1) Electronic Door or Window Alarm. Mounts quickly with screws or double-sided adhesive tape. Key-operated on/off switch. Entry/exit delay. 5⅛ × 2¼ × 1¼". Requires 9V alkaline battery. **49-421** **11.95**

(2) Motion-Sensing Alarm. Mount on door or window to warn of intruders or on medicine cabinet door to alert you if children gain access. Alarm auto-resets after one minute. 4¼ × 2¼ × 1⅛". Requires 9V alkaline battery. **49-419** **11.95**

Personal Security Devices



Protect Yourself And Your Home

(1) Powerhorn® Jr. Window/Door Alarm. Loud built-in alarm. Includes mounting hardware. Requires 2 "AA" batteries. **49-494** **3.69**

(2) Pocket Powerhorn. Use to summon aid. Fits pocket or purse. Blast can be heard up to one-half mile! Self-powered. **49-600** **6.95**

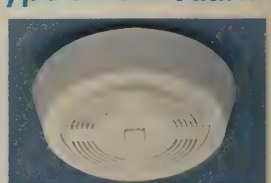
(3) Window/Door Stop. Deters break-ins. Adjustable. **49-540** **1.39**

(4) Drawer/Cabinet Alarm. Light-sensitive alarm "beeps" when drawer or cabinet is opened. On/off switch. Requires 9V battery. **49-615** **6.95**

Ionization-Type Smoke Alarm

15.95

"Quiet-Reset" Silences Alarm for Eight Minutes



Wall Mount | Ceiling Mount | With 9V Battery

Detector responds to smoke or invisible products of combustion by sounding built-in alarm. Pushing "Test" button silences alarm. If smoke or fire is still present, unit will then "beep" once per minute. Heavy smoke overrides reset to sound alarm continuously. Use several for maximum safety. 5¼" dia. × 2". With hardware. UL listed.
49-458 . . . . . **15.95**

USE DEPENDABLE ENERCELL® ALKALINE BATTERIES FOR BATTERY BACKUP—SEE PAGES 113-115

Reliable 24-Hour Home Protection by SAFE HOUSE®

Supervised Wireless Home Security System

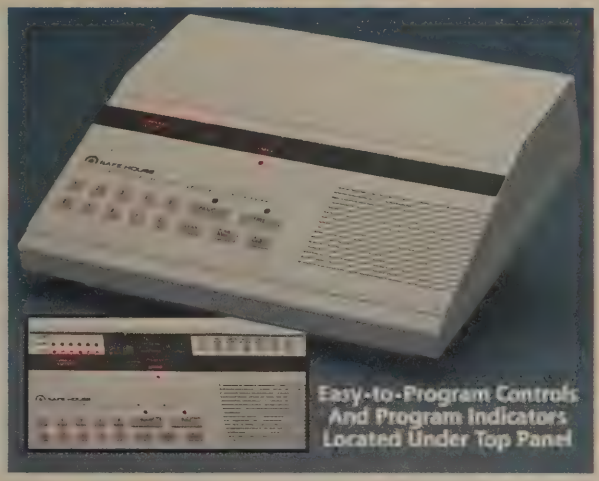
Monitors Up to 32 Individual Transmitters in Up to Eight Independent Zones—As Far As 150 Ft. Away

NEW FOR '90

Programmable receiver monitors all system functions—shows each transmitter's battery status, warns of open door or window, maintains a sequenced history of alarms and shows in which zone sensor was tripped. Separate burglary, fire and panic alarms, low-volume "annunciate" alarm. Four-hour battery backup in case of AC failure. Terminals for adding external siren and auto-dialer. 3 × 9¾ × 8". Includes one transmitter. FCC registered. UL listed AC. Backup requires 8 "C" batteries. Transmitter requires 9V battery. **49-403** **219.95**

219.95

Low As $15 Per Month



Wireless Smoke Detector and Transmitter Add Security

For Wireless Security System Above

(1) Smoke Detector. Add up to four detectors to #49-403, above. Special order.
49-405 (CMC) **59.95**

(2) Extra Transmitter. Requires 9V battery.
49-404 . . . . . **34.95**

Illuminate Entryway or Drive (1)

39.95

Infrared Automatic Security/Lighting Systems

NEW FOR '90

Automatically Turn Lights On for Security and Convenience When Body Heat or Motion is Detected

Outdoor Dual-Floodlight System

(1) Features light-sensitivity and range controls, adjustable "lights on" time. Weather-resistant housing. Installs easily, includes instructions. UL listed AC.
61-2603 . . . . . **39.95**

Automatic Indoor Light Socket

(2) Functions as above. Just screw into standard socket, then screw in bulb. Great for lighting garages, attics, basements, utility rooms and stairways. UL listed AC.
61-2770 . . . . . **29.95**

(2)

29.95

Hands-Free Lights-On

Wireless RF Remote Switch

21.95

- **Control Most Electrical Lights/Appliances Using the Pocket Remote Control**
- **Instant, Simple Plug-In Installation**

nexpensive, convenient on/off pushbutton control. Just lug receiver module into an AC outlet, then plug a TV, tereo, lamp or small appliance into the module for emote control from nearly anywhere in the home or ffice. Resistive load 15 amps, incandescent 500 watts, V 400 watts maximum. Remote requires 9V battery.
1-2667 . . . . . **21.95**

Automatic Light Controls

On at Dusk, Off at Dawn

(1) Lamp Post. Fits ⅜" or ½" knockouts, mounts in ⅞" hole.
61-2777 . . . . . **7.49**

(2) Outdoor. Fits most PAR-38 fixtures. 150W max.
61-2775 . . . . . **9.95**

(3) In/Outdoor. Fits most table lamps and std. light fixtures. 150W max. **61-2776** **7.95**

Power Failure Emergency Light

NEW FOR '90 **21.95**

Swivel Head With Powerful Beam

Two lights in one! Stored in the wall socket in hall or entryway, it's a safety light—comes on automatically when AC fails. Remove it, and it's a powerful lantern—one charge lasts up to two hours. Swivel head puts light where you need it, when you need it. Built-in charger and rechargeable nickel-cadmium batteries. **61-2741** **21.95**

Handy Electrical Accessories for Home and Shop

ARCHER® Spike Protectors Shield Your Equipment From Electrical Surges

Electricity doesn't always flow smoothly. Momentary "spikes" and power "surges" in the AC line can cause expensive damage to TVs, VCRs, stereos and other valuable electronic equipment. Because these irregularities can be caused by very common things—temporary blackouts, light switches, appliances, furnaces, air conditioners—almost all electronics are in danger. Spike protectors greatly reduce your risk by "absorbing" these irregularities before damage occurs. Radio Shack's Archer brand has extra features others leave out: Fuse protection to disconnect the varistor in case of failure, a neon bulb indicator (when protection is gone, the bulb goes out) and special tests for dielectric breakdown. Our manufacturing standards always assure highest dependability.

Television Spike Protector

29.95

NEW FOR '90

Double protection—protects TV, VCR and FM stereo from damaging surges on AC line *and* guards against spikes coming in through the 75-ohm coax antenna or cable system. Rated 15 amps, 120VAC.
61-2787 ..... **29.95**

Six-Outlet Spike Protector

29.95 **Built-In Broadband Noise Filter**

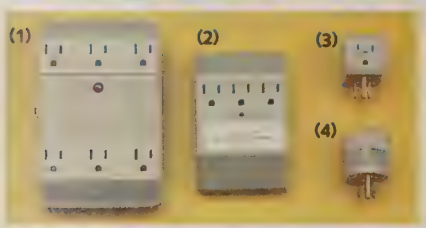
Excellent for use with expensive electronic equipment. Filters AC-line noise in the 0.1 to 100 MHz range. With lighted on/off switch, circuit breaker. Rated 15 amps at 120VAC. **61-2780** ... **29.95**

Auto-Power Controller

49.95 **With Our Best Built-In Spike Protection**

Automatically power-up or turn off your entire audio/video system by turning on/off your TV, VCR, receiver or cable box. Six AC outlets: Master, four controlled, one uncontrolled. Built-in broadband noise filter and circuit breaker. **61-2781** **49.95**

AC Voltage Spike Protectors



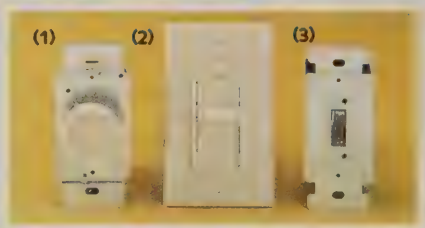
(1) Cordless Six Outlet. Circuit breaker, noise filter. Rated 13 amps, 120VAC. **61-2786** **24.95**

(2) Cordless Triple Outlet. Status indicator light. Rated 15 amps, 120VAC. **61-2793** **14.95**

(3) Heavy-Duty Single Outlet. Ideal for microwave ovens. Rated 15 amps, 120VAC. **61-2792** ... **9.95**

(4) Single Outlet. Status indicator light. Rated 15 amps at 120VAC. **61-2791** **7.95**

Wall-Mounting Dimmers



Adjust room lighting to suit your mood or the occasion. Dimmers fit standard wall boxes. Rated 120VAC, 600 watts max. Incandescent only.

(1) Rotary. Push on/off. **61-2699** **6.95**

(2) Lighted Slide. Clicks on, sliding-action. Cover plate included. **61-2752** **10.95**

(3) Lighted Toggle. Full-range dimming between on/off positions. **61-2693** **8.95**

Extension Cords

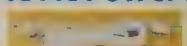
Polarized cords. *Heavy Duty.

Feet	Description	Cat. No.	Each
6	Wht. 3-Out.	61-2744	1.89
6	Brn. 3-Out.	61-2745	1.89
9	Wht. 3-Out.	61-2746	2.29
9	Brn. 3-Out.	61-2747	2.29
15	Brn. 3-Out.	61-2748	3.29

Feet	Description	Cat. No.	Each
25	Brn. 2-Wire	61-2759	4.29
3	Grd. 3-Out.*	61-2764	5.49
10	Grounded*	61-2749	4.29
10	Grd. 3-Out.*	61-2765	6.49
9	Air Condr.*	61-2758	7.99

Remote AC Power Switch

6.99



15-Foot Control Cord

NEW FOR '90

Turns lamps or appliances on or off from chair or bedside up to 15 feet away.
61-2715 ..... **6.99**

Four and Six-Outlet Power Strips

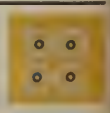
With circuit breaker, six-foot cord. Rated 15 amps.

Four-Outlet Power Strip. 61-2620 ..... **15.95**

Six-Outlet Power Strip. As above, plus lighted on/off power switch. **61-2619** **21.95**

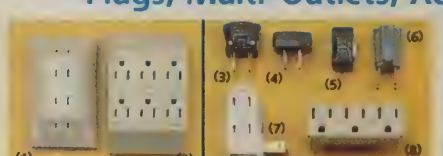
Bulb Life-Extenders

Save You Money **3.99**



Multiply incandescent bulb life up to 100 times—buy all you need! **61-2725** ..... **Pkg. 4/3.99**

Plugs, Multi-Outlets, Adapters and Line Switch



(1) Four-Outlet AC Socket. Two-conductor type. **61-2621** **2.79**

(2) Six-Outlet AC Socket. Three-conductor type—grounded for extra safety. **61-2622** **4.19**

(3) Quick-Plug. 61-2702 ..... **Pkg. 2/1.39**

(4) Flush-Type Wall Plug. For use with "wall-hugging" appliances. **61-2703** ..... **Pkg. 2/1.79**

(5) Line-Cord On-Off Switch. Suitable for lamps and small fans. **61-2713** **1.39**

(6) Grounded Adapter. Converts 3-prong plug to two. **61-2720** ..... **Pkg. 2/1.19**

(7) Three-Outlet Cube Tap. Convenient "wall-hugging" L shape. **61-2714** **1.69**

(8) Three-Outlet AC Socket. Three-conductor (grounded) type. **61-2705** **2.29**

Plug-In Night Light

Automatic On-Off

Brightens as darkness increases, turns off at dawn.
61-2646 ..... **4.95**

AC Outlet Analyzer

Protects Tools, Appliances

Plug into AC—readout warns if a grounded (3-wire) outlet is mis-wired. **22-101** **5.95**

ALL PRODUCTS ON THIS PAGE ARE UL LISTED FOR ELECTRICAL SAFETY

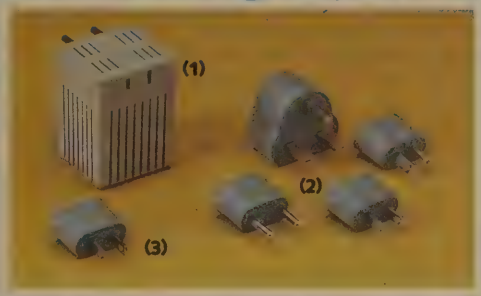
Foreign Travel Converters and AC/DC Adapters

Foreign AC Power Converters and Plug Adapters

lse 120VAC Personal Appliances
n Countries With 240VAC Power

Compact Size
Overload Protected
Your Best Travel Companion

Converters Low As 14.95



) 50-Watt Converter/Transformer for Elec-onic Equipment. Converts 240VAC to 120VAC operate most cassette recorders, radios, pho-flash units, battery rechargers, calculators, ra-rs, lens sterilizers and appliances up to 50 atts. 9½ oz. 1⅝ × 2⅝ × 1¼". **273-1401** **14.95**

000-Watt Converter. Allows use of 120VAC nonmotorized heating appliances from 240VAC. For most irons, rlers, curling irons, heating pads, electric blankets, steamers, manicure sets, immersion heaters, incandescent mps and food/bottle warmers. 3 oz. 3½ × 1½ × 1½". **273-1402** **15.95**

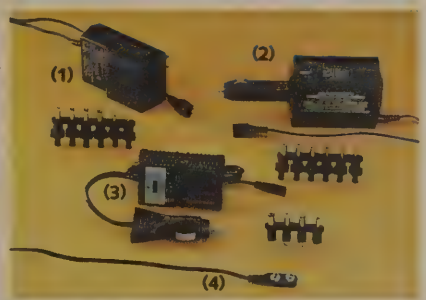
500-Watt Converter. Allows use of 120VAC heating appliances from 240VAC. For hand-held hair dryers with niversal (AC/DC) motors, most irons, electric blankets, steamers, manicure sets, immersion heaters, incandes-nt lamps and food/bottle warmers. 3 oz. 3½ × 1⅞ × 1⅞". **273-1404** **19.95**

) Plug Adapters. Let you connect power converters above, to almost any wall outlet in the world. *Must be sed with one of the converters above.* **273-1405** ..... **Set of 4/7.95**

) U.S.-Outlet Plug Adapter. Lets you connect dual-voltage appliances with European plugs to U.S.-type 20VAC power outlet. **273-1406** **1.95**

MPORTANT NOTE! These converters can NOT be used with clocks, TV sets, high-fidelity equipment, rpewriters, computers, hooded hair dryers, slide projectors or permanently installed equipment. NOT for ontinuous use. Will NOT work with DC (direct current). 1600-watt and 1000-watt converters should NOT be sed with transformer-operated equipment.

Universal AC-to-DC And Car DC Adapters



(1) Universal AC-to-DC Adapter. Switch selects 3, 4.5, 6, 7.5 or 9VDC. Six-foot cord. Includes six Adaptaplugs. UL listed. **273-1650** **12.95**

Six-Piece Adaptaplug Set. 274-1501 ..... **7.29**

(2) Universal DC Adapter. Selectable 3, 4.5, 6, 7.5 or 9VDC. Six Adaptaplugs. **270-1560** **11.95**

(3) High-Current DC Adapter. Provides 6, 9 or 12VDC. With four plug sizes. **270-1562** .. **13.95**

NEW! Right-Angle 6-Plug Set. (Not shown.) Coax-ial. Fits #270-1562. **270-1563** **6.99**

(4) 9V Battery Eliminator. Connector is snap-type as used on 9-volt batteries. UL listed. **273-1552** **5.95**

Hard-to-Find AC-to-AC Adapters

NEW FOR '90

UL Listed

or Phone Answerers. Exact replacement in any name brands. Input: 120VAC. Out-ut: 13VAC, 800 mA. **273-1610** ... **8.95**

or Nintendo® Video Game. Input: 20VAC. Output: 9VAC, 1.3A. **73-1611** **15.95**

egistered trademark, Nintendo Co., Ltd.

AC-to-DC Adapters

NEW FOR '90

UL Listed

For devices requiring more current than small adapters provide. Input: 120VAC.

(1) 6/7.5 DC, 700 mA Output. For LCD portable TVS, portable CD players, hand-held computers. **273-1655** **15.95**

(2) Y-Cable. Use with above adapter and amplified speakers. **273-1649** **4.99**

(3) 9VDC, 800 mA Output. For key-boards, portable CD players and video games. **273-1656** **14.95**

Adapters for Radio Shack Equipment (And Many Other Brands)

All have a body similar to photo at right, plug into 120VAC. UL listed.

Output		Connector	Cat. No.	Each
VDC	mA			
9	300	Coax Plug	273-1455	7.95
6	150	Coax Plug	273-1454	7.95
9	25	3/32" Plug	273-1431	6.95
3*	200	Coax Plug	273-1456	6.95
3	200	3/32" Plug	273-1435	6.95

*NEW! For STEREO-MATE portables

Car/Boat Adapter

Plugs into lighter socket. 6V or 9V DC output. 12VDC neg. gnd. **14-844** **6.95**

Special-Purpose AC-to-DC Adapters

ersatile Adaptaplugs Fit Most Portables

dapts battery-powered portables with DC jack to C. All have 120VAC input and are UL listed.

/DC Adapter (Shown). 500 mA output. With two daptaplugs. **273-1651** **10.95**

VDC Adapter. 500 mA output. Includes four daptaplugs. **273-1652** **10.95**

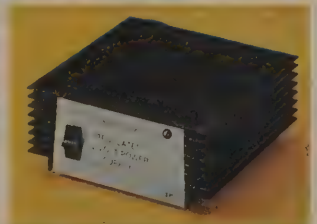
VDC Adapter. Delivers up to one amp. With three daptaplugs. **273-1653** **19.95**

rsonal Portable Adapter. Hum-free circuit de-gned especially for personal stereos. Switch selects 5 or 3VDC output. 300 mA. Includes two Adapta-ugs. **273-1654** **13.95**

120VAC-to-12VDC Power Supplies

Regulated 12VDC Supply. Operates most devices requiring 12 to 14 volts DC. Features push-to-reset circuit breaker, on/off switch, LED "on" indicator, finned heat sink for cool operation. Rated 2.5 amps continuous. 2¼ × 6¾ × 6¼". UL listed. **22-120** **39.95**

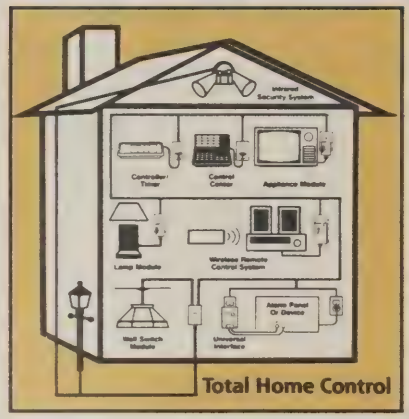
12VDC Supply. Same function as above but non-regulated and rated 1.75 amps continuous. UL listed. **22-127** **26.95**



Operate Autosound, CBs and Ham Transceivers at Home

The Automated Home of the Future is Here Today

Enjoy Security and Convenience at the Touch of a Button



- Give Your Home a "Lived-In" Look, Anytime
- Program Lights/Appliances to Save Energy
- Easy Setup ■ No New Wiring Required

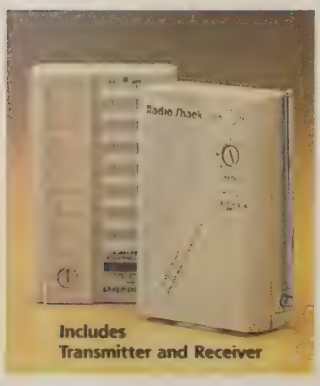
You can control lights and appliances around your home from one location with a Plug 'n Power™ remote-control system. Easy-to-program controllers send high-frequency signals through existing house wiring to modules which turn lights and appliances on and off. Enjoy hundreds of uses! Automate patio, yard and pool lights, plus garage, basement and attic lights for security and safety—even dim bedroom or dining room lights for a candlelit glow. Or, start your coffee, turn TV, VCR or stereo on/off, warm a hot tub or control a greenhouse—all by remote! It's easy, effortless, and it puts *you* in control. Plug 'n Power systems are expandable with controllers and modules below.

Mini Controller/Timer

29.95 **Use as a Digital Alarm Clock, Too**

Use with modules below to automate your air conditioner, stereo, security lights, sprinkler system and more! Program daily/weekly on/off times or operate manually. Use with other controllers or independently. Buzzer alarm, snooze control, varied-time security and once-on/off functions. Battery backup. Backup requires 9V battery. **61-2670** **29.95**

Wireless Remote Control Switch/Dimmer



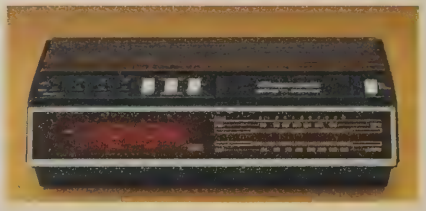
39.95 NEW FOR '90

Available Oct. 30, 1989

- Turn Lights On as You Turn in the Driveway
- Adjust Lights to Your Taste, Mood or Security Needs

Turn on/off, dim and brighten inside and outside lights from your car or indoors, and control appliances by remote. Receiver module has 15-amp maximum load AC outlet. Controls up to 15 more sets of devices with additional modules. Transmitter requires 4 "AAA" batteries. **61-2676** . . . **39.95**

AM/FM Clock Radio/Timer/Controller



NEW FOR '90

39.95

A Convenience, Security and Entertainment Center in One

Available Nov. 30, 1989

■ One-Touch All-On/Off ■ Dim/Bright Switch ■ Security Mode ■ Sleep ■ Delay ■ Once-On/Off ■ Snooze ■ Battery Backup

Turn on/off up to eight sets of lights and appliances at once, or program automatic on/off times for up to four modules. Varied on/off security mode provides "lived-in" look. Wake to FM, AM or "beep" alarm. FM-AFC, 3" speaker, headphone jack. Backup requires 9V battery. **61-2671** **39.95**

Remote Command Consoles

24.95 **12.95**

Deluxe 16-Button. Controls up to 16 sets of modules Dim and bright controls, all-lights-on button. **61-2690** **24.95**

Mini 4-Button. Same features as above, with dual-function buttons to control up to eight sets of modules. **61-2677** **12.95**

Universal Interface

19.95

Connect to contact switch, photocell, sensor or alarm system and plug into AC to control other modules. Lights-on/flashing/all-on modes. 61-2687 . . **19.95**

Sounder/ Actuator

18.95 NEW FOR '90

Available Nov. 30, 1989

"Beeps" and can activate a dialer or complete the circuit on an alarm or control system. **61-2688** . . **18.95**

Remote Modules

(1) On/Off Appliance. Resistive load 15A, 1/3 HP motor, incandescent 500W. TV 400W. **61-2681** **12.95**

Universal Appliance. As above, with 3-prong plug. **61-2684** **13.95**

Lamp Dimmer. Same size as above. 300W incandescent. **61-2682** **12.95**

(2) Wall Outlet. One "remote" outlet, one standard. 1800W. **61-2685** **15.95**

(3) 3-Way Wall Switch. Dims/brightens. Push-button override. Incandescent 500W. With companion switch. **61-2686** **15.95**

Wall Switch. Functions as above, replaces standard switch. **61-2683** **12.95**

ALL CONTROL SYSTEMS, TIMERS AND MODULES ON PAGES 152-153 ARE UL LISTED AC FOR ELECTRICAL SAFETY

Add Extra Security to Your Plug 'n Power System

Dual-Flood Security System

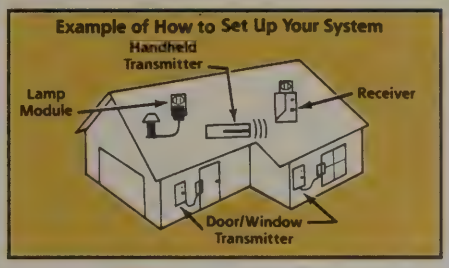
NEW FOR '90

49.95

Turns Your Outdoor Lights On When It Detects Motion—Indoor Lights, Too!

ives your home a "lived-in" look to deter intruders when ou're away, because it turns on indoor lights, too. Also rovides safety and security after dark. Built-in infrared ensor automatically turns lights on when it detects notion—up to 40 feet away. Can control up to four sets of nodules to turn lights/appliances on anywhere in and round your home when motion is detected, plus four more ets for dusk-to-dawn operation. And, you can turn the oodlights on and off with any Plug 'n Power controller. ariable shutoff time delay. Weather-resistant housing with djustable swivel mount. Controls up to 500 watts of incan- escent or halogen lighting. **61-2604** **49.95**

Wireless Home Control/Supervised Security System



NEW FOR '90

79.95

Available Oct. 30, 1989

- **Easy to Set Up Anywhere**
- **Easily Expandable Anytime**

Two systems in one—includes everything you need for extra security and convenience around your home. Use the handheld transmitter to arm/disarm the security system and control a lamp connected to the included module. You can add modules to automate up to 16 sets of indoor/outdoor lights and appliances, and you can expand the system for up to eight handheld transmitters—give one to every family member and keep one in the car. When armed, the receiver sounds a loud 85 dB siren and signals modules to flash lights continuously for four minutes when door/window transmitter is tripped. When disarmed, a pleasant chime sounds. And, the system supervises itself—the door/window transmitter gives status reports to the receiver every 90 minutes. LED indicators on receiver show whether door/window is open or closed, and warn if the transmitter's battery is weak. Up to 16 door/window transmitters may be added for total home security. Selectable instant/delay alarm modes. Battery backup preserves all programmed transmitter codes for up to 12 hours in case AC power fails. Backup and transmitters each require 9V battery. **61-2611** **79.95**

Extra Door/Window Transmitter. 61-2612 . . . . . **14.95**

Light Where and When You Need It—Flashlights and Lanterns

Halogen-Bulb Flashlight

10.88

2.39 Value! Alkaline Batteries Included

Our best—300% brighter than ordinary flash- ghts! Complete with two alkaline "D" batter- es. **61-2737** **10.88**

Krypton Flashlight

9.95 Aluminum

High-visibility adjustable beam. Requires 2 "AA" batter- ies. **61-2736** **9.95**

ENERLITE™ High-Power Pocket Penlight

NEW FOR '90

8.99

- **Prefocused Beam**
- **Krypton Bulb**

Clip to pocket for brilliant light anytime, any- where. Rotary on/off switch. Rugged brass con- struction with rich black matte finish. **61-2536** **8.99**

Economy Flashlights

Fig.	Description	Batteries Required	Cat. No.	Each
1	Headband Type	2 "AA"	61-2510	4.19
2	Disposable Clip	Built-In	61-2625	1.89
3	Penlite	2"AA"	61-2626	2.39
4	Heavy Duty	2 "D"	61-2639	2.19
...	Heavy Duty	2 "C"	61-2641	2.19
5	Krypton Lantern	6V	61-2521	5.99
6	5-Cell	5 "D"	68-1022	1.98
7	4-Cell	4 "C"	68-1040	1.98

Extra-Duty Fluorescents

14.95 3-in-1

7.95 2-in-1 Mini

(1) Search/Area/Warning. 12VDC cord. Requires 4 "D" batteries. **61-2739** . . . **14.95**

(2) Mini Reading/Flashlight. Requires 3 "C" batteries. **61-2734** **7.95**

Bright Ideas! ENERLITE Flashlight Values

NEW FOR '90

(1) Halogen-Bulb Lantern. 300% brighter. Requires 4 "D" batteries. **61-2525** . . **9.99**

(2) Adjustable Focus Krypton. Metal case. Requires 3 "D" batteries. **61-2541** . . **5.29**

(3) Prefocused Krypton. Signal button. Requires 2 "D" batteries. **61-2540** **4.29**

(4) Clicker. Head rotates to click "on". Requires 2 "AA" batteries. **61-2515** **3.39**

NEW FOR '90

Head Extends To Activate Amber Flasher

7.99

Krypton Flasher/Light. Ideal for emergency signaling by motorists or for general-purpose use. Magnetic base. Requires 4 "AA" batteries. **61-2535** **7.99**

Micronta® Electronic Clocks and Thermometers

Quartz Digital Alarm Clocks

(1) Uniquely Styled LED Display. The clock that's ahead of its time! Oversize 0.9" digits with high/low dimmer. Snooze bar, p.m. indicator. 3¾ × 4⅞ × 4¾". UL listed AC. **63-756** **14.95**

(2) Jumbo LED Display. The giant 1.8"-high numerals are easy to read from across the room. Features a switchable 12/24-hour display, 24-hour alarm, snooze control, p.m. indicator, high/low brightness control. 4 × 7 13/16 × 2½". UL listed AC. **63-766** **24.95**

(3) Green LED Display. Green 0.6" display is easy to read and easy on the eyes. Alarm-on and p.m. indicators, snooze control. 2⅛ × 5 1/16 × 2 15/16". UL listed AC. **63-757** **13.95**

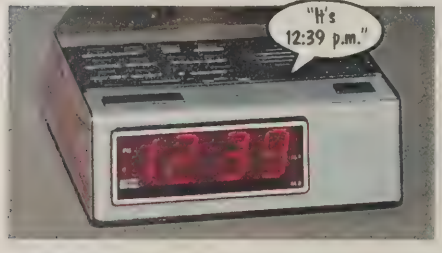
(4) NEW! Big Green LED Display. Large 0.9" green LED is soothing to the eyes and easy to read from across the room. Has built-in night light with high/low brightness control and p.m. indicator. 2¾ × 2½ × 5⅝". UL listed AC. **63-759** **19.95**

(5) Blue Fluorescent Display. Bright 0.6", selectable 12 or 24-hour display that automatically adjusts to room light level. Snooze control, 24-hour alarm-on and a.m./p.m. indicators. 2⅛ × 5½ × 3". UL listed AC. **63-753** **19.95**

(6) NEW! LED Display. Bold 0.6" display with p.m. and 24-hour alarm indicators. Has snooze control for catching extra winks in the morning. 2¼ × 4½ × 2¾". UL listed AC. **63-758** **9.95**

Battery Backup Battery Sentinel®

All AC-powered clocks have backup which powers clock, without display, for up to eight hours and operates alarm for 10 minutes. Indicator LED warns if battery is weak or missing.



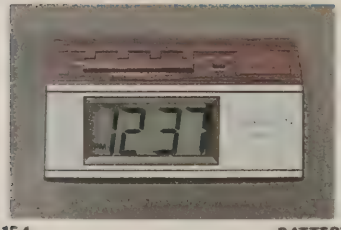
Digital Talking Clock With Dual Chime Alarms

49.95

Actually Talks—Announces Time, Month and Date at The Touch of a Button!

VoxClock-3. Synthesized voice announces the time when alarm sounds, or time and date when you tap the button. Features "his 'n hers" wake-up times, selectable voice or chime alarms with a different melody for each alarm, big 0.9" LED display, snooze button and dimmer switch. Easy-set forward/reverse and volume controls. 2 × 6 × 5". UL listed AC. Backup requires 7 "AA" batteries. **63-906** **49.95**

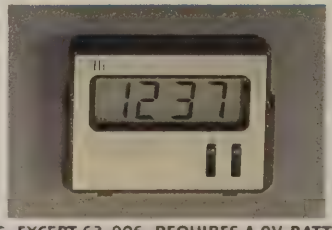
Battery Powered LCD Alarm Clock



12.95 **Big 0.7" Display Can be Read Across Room**

With 24-hour alarm, snooze, easy-set controls, backlight and p.m. indicator. 1⅞ × 4 × 2⅝". Requires "AA" battery.
63-745 . . . . . **12.95**

Battery Powered Clock/Thermometer



12.95 **Backlight Button for Viewing LCD In Dim Light**

Displays time or temperature at tap of button. Temperature in C° or F° 1⅞ × 2 7/16 × ½". With RS 357A battery.
63-841 . . . . . **12.95**

BATTERY BACKUP IN ALL AC-POWERED CLOCKS, EXCEPT 63-906, REQUIRES A 9V BATTERY

Our Micronta Brand–Watchword of Precision

High-Style Multifunction Watches

(1) VoxWatch®. Announces time hourly or at the touch of a button. Alarm tells time, plays melody. Snooze, stopwatch, time/date. With RS 393 batteries. **63-5040** **49.95**

(2) Analog/Digital Chronowatch. Analog dial with hour/minute/second hands plus LCD chronograph. Water resistant to 98 feet. With RS 399 battery. **63-5030** . . **29.95**

(3) Analog. Water resistant to 150-foot depth. Day/date display. With RS 399 battery. **63-5065** **19.95**

(4) Dual-Display Digital. Water resistant to 150-foot depth. Displays hour/minute/second for one time zone, hour/minute for a second. 24-hour mode, 24-hour alarm. With RS CR2016H battery. **63-5061** **14.95**

(5) LCD Chronoalarm. Displays month/day/time or use as a stopwatch. Water resistant. Has 24-hour alarm, hourly chime, calendar. With RS 392 battery. **63-5057** . . **14.95**

(6) LCD Alarm Watch. Water resistant to 100-foot depth. 24-hour alarm. With RS 392 battery. **63-5058** **9.95**

(7) LCD Calculator Watch. LCD displays time/date. Has travel alarm. With RS 389 battery. **63-5059** **12.95**

(8) Lady's Sports Watch. Classic dial. Water resistant to 100-feet. With RS 377 battery. **63-5066** **19.95**

(9) Jog-Mate™ Sportswatch/Calorimeter. Ten functions. Watch/calendar, alarm, stopwatch, countdown timer, pacer, speedometer, pedometer, odometer, stepcounter and calorimeter. Water resistant to 100 feet. With RS 392 battery. **63-5063** **24.95**

Take-Anywhere Quartz-Accurate Mini Clocks

(1) Mini Analog Travel Alarm. Features luminous hands, carry pouch. 2¼ × 2¼ × 1⅛". Requires "AA" battery. **63-716** **10.95**

(2) LCD Anywhere® Clock. Stick-on bracket fastens to anything. 1 3/16 × 3 3/16 × 9/16". With RS 357 battery. **63-836** **10.95**

(3) Micro LCD Travel Alarm. Backlight, 24-hour alarm, snooze control. 1¾ × 3 × ¼". With RS 357A battery. **63-706** **12.95**

(4) Deluxe LCD Travel Alarm. The perfect backup for a hotel wakeup call. Digital LCD display. Snooze control and backlight button. 3 15/16 × 2⅜, folds in protective case to just 7/16" high. With LR 43 battery. **63-708** **17.95**

Handy Time Travelers

17.95

5.95

ED Mini Car Clock. Mounts in or under dash. ast/slow time set. Blanks when ignition is off. ½ × 3½ × 1⅜". 12VDC pos./neg. gnd. With ardware. **63-833** **17.95**

CD Digital Watch Pen. Displays time or date. lses standard-size refill. With RS 392 battery. **3-5077** **5.95**

Digital Quartz Stopwatches

Low As 19.95

(1) Water-Resistant 9-Lap Memory. Times to 23 hrs., 59 min., 59 sec. and 99/100 sec. Lap/split time and pacer. With neck cord, RS CR2016H battery. **63-5012** **24.95**

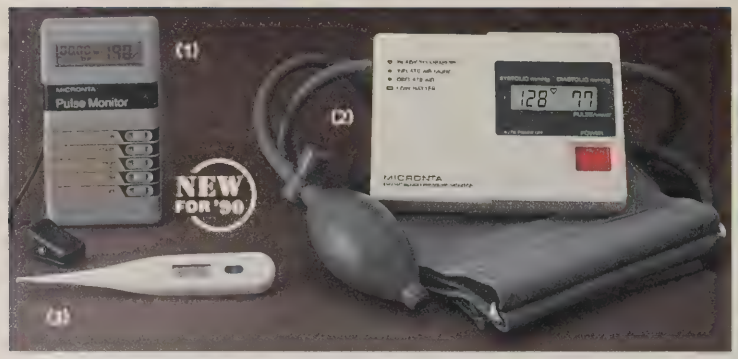
(2) Professional. Times to 9 hrs., 59 min., 59 sec., and 99/100 sec. With neck cord, RS 357A battery. **63-5010** **19.95**

Quartz-Accurate Wall Clocks

(1) Stylish 12/24-Hr. Digital LED. Giant 1.8" display. Mount on wall or use built-in stand for desk. 6⅝ × 9 11/16 × 2⅛". UL listed AC. Backup requires 9V battery. **63-805** . . **22.95**

(2) Handsome Modern Design. Sweep second hand. 9" diameter, 1½" deep. Requires "AA" battery. **63-806** **12.95**

Micronta® Electronics for Your Health and Home



Here's to Your Better Health

59.95 **(1) LED Exercise Pulse Monitor.** Earclip sensor measures pulse, which is displayed on the monitor. Two-tone beep helps you keep your pace. Hi/Lo warning tone. Records elapsed time. Mounts on most exercise equipment. Requires 4 "AAA" batteries. **63-659** (TSP available), **59.95**

49.95 **(2) LCD Blood Pressure Monitor.** Easy one-hand operation, accurate digital display of systolic and diastolic pressure and pulse rate. Pulsation method. Vinyl case. Requires 9V battery. **63-663** **49.95**

9.95 **(3) LCD Fever Thermometer.** Accurate readings (± 0.2 F) in one minute! Beeps when ready. Has auto-shutoff and high-temperature warning. Safe—no glass to break. Sterilized disposable covers (available at drugstores) slip onto tip. With case and RS392 battery. **63-655** **9.95**

Pedometers for Joggers and Walkers

Jog-Mate™. Switchable walk/jog mode. Measures to 99.9 miles. With RS386A battery. **63-681** **24.95**

Walk-Mate™. Measures to 99,999 steps. One-touch reset. With RS386A battery. **63-671** **14.95**

Handy 24-Hour Pillbox/Timer

14.95

Medication Reminder Holds Pills

Counts down from 23 hours, 59 minutes in 60-second increments. Slide-open cover. With RS357A battery. **63-881** **14.95**

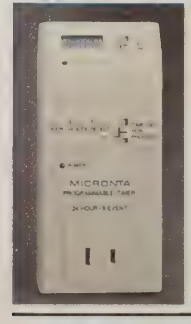
Biofeedback Stress Monitor

13.95

Helps You Control Stress

Tone rises when you're under stress, drops when relaxed. Sensors attach to fingertips. Requires 9V battery. **63-675** **13.95**

Eight-Event, 24-Hour Program Timer



Starts Coffee

Controls Lamps

22.95

Automatic Control of Lamp or Appliance

Program up to four on/four off daily settings. Select a "fixed time" setting to start your coffee or turn on a light before you get home at night. LCD clock display. Rated 15A. 5 1/8 × 2 1/2 × 1 3/8". Requires "AA" battery for memory backup. **63-891** **22.95**

LCD Clocks and Countdown Timers

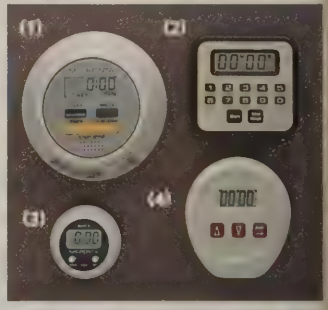
Each times up to 99 min., 55 seconds except (3), 15 min. (2), (3), (4) include RS357A battery.

(1) Clock/Rotary Timer. Requires "AA" battery. **63-882** . . . **14.95**

(2) Pocket Timer. 63-880, 14.95

(3) Stick-On. 63-840 . . . . **3.99**

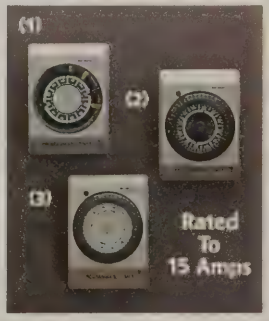
(4) Pocket/Magnetic-Mount Timer. 63-879 . . . . . **10.95**



14-Event, 7-Day Program Timer

Random or Fixed On/Off Control **32.95**

Program up to seven on/seven off daily or weekly settings. LCD clock display. Rated 15A. Backup requires 2 "AA" batteries. 1 3/4 × 5 1/8 × 4 1/2" UL listed AC. **63-889** **32.95**



Plug-In and Tabletop 24-Hour AC Timers

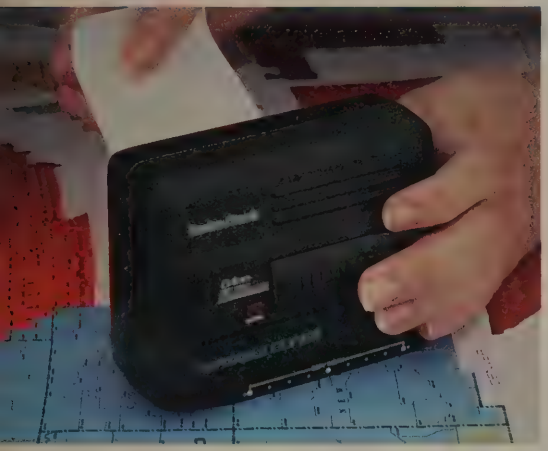
(1) Plug-In. Cordless—plugs into wall. Two on/off settings daily. Maximum 21 1/2 hours on. 3 7/8 × 2 3/4 × 1 7/8". **63-862** **7.95**

(2) Tabletop Multiprogram. 12 on/off settings daily. Override. 1 7/8 × 2 3/4 × 3 7/8". **63-865** **14.95**

(3) Plug-In Multiprogram. Cordless. 24 on/off settings daily. Override. 3 7/8 × 2 3/4 × 1 7/8". **63-864** **9.95**

NOW OVER 7000 RADIO SHACK STORES AND DEALERS IN THE USA—WE'RE NEAR YOU

Personal Electronics for Home, School and Office



The Smart "No-Fuss" Way to Make Copies Anytime, Anywhere—Portable Copier

199.95
Low As $15
Per Month

- **Crisp Black-and-White Copies Instantly, In 2½"-Wide Segments**
- **Compact—Smaller Than a Paperback Book**
- **Powered by Built-In Rechargeable Battery**

What a difference! Other portable copiers are the size of briefcases, yet this one is small enough to *fit inside* a briefcase—along with your paperwork and a city directory! Instead of putting the original in a bulky machine, simply pass this lightweight copier over the material you want to duplicate. Fast and easy to use, it's invaluable for researchers, students, attorneys, tax accountants, teachers, salespeople and others. Uses 2½" wide thermal paper, below. 3 11/32 × 4 22/32 × 1 5/8". UL listed AC charger. **63-672** (TSP available) **199.95**
Thermal Paper. Five-roll package. **63-673** . . . . . **Pkg. 5/5.95**

LCD Pocket-Size SPELL CHECKER

NEW FOR '90

49.95

Use It To Win Word Games

Instantly Checks Spelling Of 88,000 Words

Also checks spelling phonetically of 15,000 commonly misspelled words. Vinyl pouch. 3 7/8 × 2 1/2 × 5/32". With 2 RSCR2025 batteries. **63-676** **49.95**

Your Own Personal Lottery Master

NEW FOR '90

24.95

The Pocket Computer That Picks The Numbers For You

Play Five Different Games

No more agonizing guesswork! Selects random sets of numbers for lotteries in any country or state. 4 1/4 × 2 5/8 × 3/8". With case, 2 RS357A batteries. **63-642** . . **24.95**

With Digital Memory Recall

29.95

- **Stores Indoor/Outdoor Highs and Lows**
- **Fahrenheit or Celsius**
- **Liquid Crystal Display**

(1) Easy-to-read twin-display thermometer gives you current indoor and outdoor temperatures at a glance! Actually memorizes the highest and lowest temperatures—makes it easier to set your home or office heating/cooling system for smarter energy usage. Readings stored in memory are manually resettable. Switchable Fahrenheit or Celsius display. Mounts on wall. 5 3/16 × 3 1/2 × 7/8". Requires 2 "AA" batteries. **63-843** **29.95**

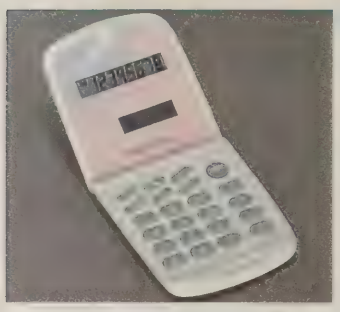
Displays Fahrenheit or Celsius

14.95

- **Switchable In/Outdoor Temp Display**
- **Backlight for Viewing in Dim Light**

(2) Be prepared for the outdoors—check the temperature outside before you leave the house. Large LCD display makes it easy to read from a distance. Has adhesive backing for mounting anywhere. 1 7/8 × 2 1/2 × 1/2". With RS357A battery. **63-842** **14.95**

Big Values in Solar and Dual-Powered Calculators



Fashionable Styling

Solar Powered

9.95

NEW FOR '90

Available Sept. 30, 1989

Radio Shack EC-422. Nice to give or get! Full-function calculator in an elegant "compact"-type case—folds to only $2\frac{3}{4} \times 2\frac{5}{8} \times \frac{1}{2}$". Features three-key memory, percent and sign-change keys, auto-constant. **65-912** **9.95**

Checkbook Organizer

Dual Powered

15.95

Radio Shack EC-430. Checking made easy. Billfold case stores checks, register, pen and five credit cards. Features deposit check, charge payment and balance keys for keeping track of expenses. Three memories store balance information. Dual powered with auto-shutoff. $2\frac{3}{4} \times 6\frac{1}{16} \times \frac{9}{16}$". Includes RS389A battery. **65-570** **15.95**

Solar-Powered Yard/Foot/Inch

No Need to Convert Yards, Feet and Inches to A Single Measure

27.95

Radio Shack EC-317. Simply enter 30 feet, 8 inches; multiply by 18 feet, $3\frac{3}{4}$ inches and get the answer—561.58333 square feet! Whether you're in building trades or into home redecorating, life will be so much simpler with one of these! Switchable from decimal to fraction and reverse. Square and cube keys. $5\frac{1}{16} \times 2\frac{3}{4} \times \frac{3}{8}$". With billfold case. **65-935** **27.95**

For Metric Conversion

14.95

- **Solar Powered**
- **Conversions for Weight, Volume, Distance And Temperature**

Radio Shack EC-318. Performs 22 conversions to and from metric. Calculator functions feature 3-key memory, auto-constant, sign-change and percent keys. Solar powered—never needs batteries. Eight-digit display. $4\frac{1}{16} \times 2\frac{15}{16} \times \frac{1}{4}$". With billfold case. **65-931** **14.95**

Radio Shack Calculators Bring You "Pocketsful of Electronic Miracles"

Radio Shack Dual-Powered EC-424. Display angle adjusts for viewing comfort. Three-key memory, square root and percent keys. Auto-constant and auto-shutoff. $5\frac{1}{16} \times 2\frac{13}{16} \times \frac{5}{16}$". With RS389A battery. **65-564** **14.95**

Radio Shack Dual-Powered EC-426. Extra-large keys and display in a horizontal folding style. Four-key memory, double-size "+". Square root, percent keys. $2\frac{7}{8} \times 4\frac{13}{16} \times \frac{1}{2}$" (folded). With RS389A battery. **65-913** **12.95**

Radio Shack Dual-Powered EC-416. Jumbo LCD display and keys. Horizontal, folding style. Square root, percent keys. $2\frac{11}{16} \times 4\frac{1}{2} \times \frac{9}{16}$" (folded). With RS389A battery. **65-561** **9.95**

Radio Shack Dual-Powered EC-445. GPM key for rapid computation of desired mark-up. Four-key memory, percent key. Auto-constant and auto-shutoff. $4\frac{7}{16} \times 3\frac{7}{16} \times \frac{1}{4}$". With billfold case, RS389A battery. **65-889** **8.95**

Radio Shack Micro-Thin™ Solar-Powered EC-413. Credit-card size—only $\frac{1}{8}$" thin! With vinyl case. $2\frac{1}{8} \times 3\frac{3}{8} \times \frac{1}{8}$". **65-910** **7.95**

Radio Shack Dual-Powered EC-414. LCD display is tilted for convenient desktop viewing. $4\frac{1}{2} \times 2\frac{11}{16} \times \frac{3}{4}$". With RS389A battery. **65-560** **7.95**

Radio Shack Solar-Powered EC-419. Pressing any function key brings that symbol (+, −, ×, ÷) to display. $4\frac{1}{4} \times 2\frac{5}{8} \times \frac{1}{4}$". With case. **65-595** **5.95**

DUAL-POWERED CALCULATORS AUTO-SWITCH FROM SOLAR TO BATTERY POWER IN DIM LIGHT

Powerful Scientific and Programmable Calculators

Formula Programmable

59.95

- 128 Built-In Formulas
- 12 Programmable Memories With a Total 675 Steps

Radio Shack EC-4023. Large multiline display shows formula and prompts you for input variable. Formulas for mathematics, physics, mechanics, electricity/electronics and statistics. 10-digit mantissa, 2-digit exponent. 5 1/8 × 2 7/8 × 3/8". With billfold case, two CR2032 batteries. **65-987** **59.95**

Scientific Formula

34.95

- 23 Built-In Formulas
- 2 Programmable Formulas

adio Shack EC-4024. Ten-digit display has phabetic prompt for formula use. Formulas r math, physics, electricity, mechanics, statis-cs. Nine physical constants and base-number ath. Dual-powered. With lithium battery. 1/2 × 2 7/8 × 5/16". **65-991** **34.95**

177-Function for Math and the Sciences

NEW FOR '90

49.95

Functions for:
Math
Statistics
Physics
Biology
Chemistry
Health and Social Sciences
More!!

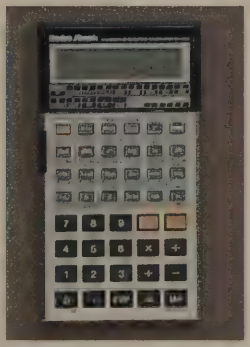
Available Sept. 30, 1989

Radio Shack EC-4025. At last there's a calculator with just the right functions for most math/science courses, and it's so easy to use! A dual-action keyboard reveals only the science or statistics functions appropriate to your needs. There are five memories, 1 and 2-variable statistics capabilities, 15 built-in constants, 30 English/metric conversions, complex numbers and base number math. Has 10-digit mantissa, 2-digit exponent. With RS386A battery. 5 11/16 × 3 1/8 × 1 3/16". **65-992** **49.95**

10-Function Electronics

39.95

Uses Electrical Symbols For Input and Output



adio Shack EC-4035. Accepts input and dis-ays output using popular electrical engineer-g symbols—1000Ω × .5A = 500V. Alphanu-eric display. Functions for trig and statistics. as 10-digit mantissa, 2-digit exponent. With llfold case, two CR2032 batteries. 5 1/8 × /8 × 3/8". **65-983** **39.95**

87-Function Scientific

NEW FOR '90

24.95

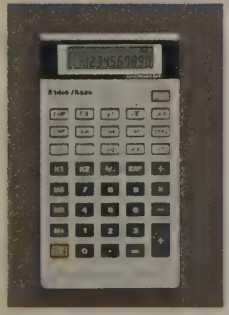
- 18 Levels of Parentheses
- Dual Powered

Radio Shack EC-4031. Features paired variable statistics. Trig functions, random number generator, base number math. 10-digit mantissa, 2-digit exponent. 5 5/16 × 3 × 5/8". With lithium battery, case. **65-997** **24.95**

Handy 40-Step Programmable Scientific

19.95

- Low-Cost Programming
- 46 Scientific Functions



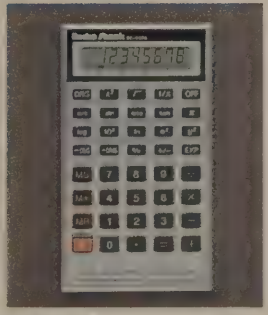
adio Shack EC-4021. Design your own "special pplication" calculator by programming formulas ou use frequently. Statistical/trig functions. Auto-utoff. Has 8-digit mantissa, 2-digit exponent. 1/2 × 2 15/16 × 15/16". With billfold case, two 3357A batteries. **65-984** **19.95**

alculator Stand (Not shown). **65-705** **2.19**

A Great Value! Low-Priced Scientific

13.95

- 40 Single-Function Keys
- Independent Memory
- Auto-Shutoff

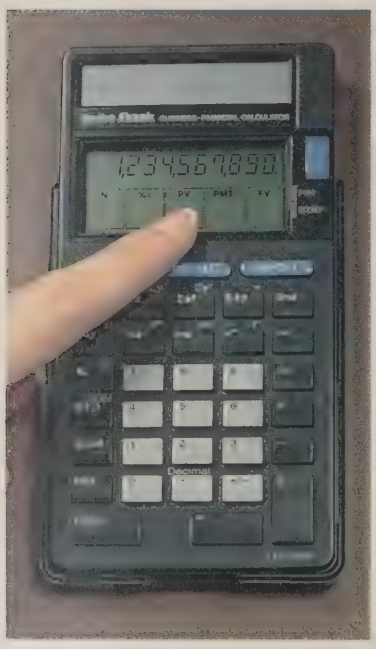


Radio Shack EC-4008. Features DEG/RAD/GRA switch, memory and slide rule functions. Has 5-digit mantissa, 2-digit exponent. 4 3/8 × 2 1/2 × 1/4" Includes billfold case, two RS357A batteries. **65-977** **13.95**

ALL CALCULATORS ON THESE TWO PAGES HAVE LCD DISPLAYS FOR LOW CURRENT DRAIN AND LONGER BATTERY LIFE

Business Calculators for Office, School or Home

Financial Calculator With Touch-Response Display Keys



NEW FOR '90

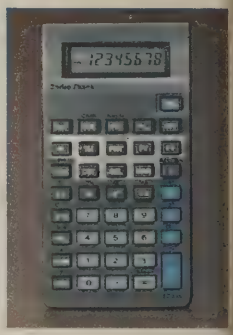
49.95

The LCD Display Also Functions As a Keyboard

Available Sept. 30, 1989

Radio Shack EC-5500. Just a touch of your finger on the display accesses a preprogrammed function in finance or statistics; choose from 10 of the most useful financial formulas and 10 of the most popular statistical functions. Dual-function keyboard includes factorials, percent and backspace key. With 123-page, step-by-step guidebook and a quick-reference card. 5 1/2 × 3 × 3/4". Solar powered.
65-880 . . . . . **49.95**

For Business Analysis



34.95

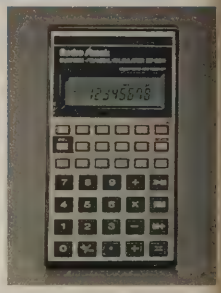
Built-In Formulas Solve Tough Business and Financial Problems

Radio Shack EC-5100. Provides you with easy, one-button solutions in mortgages, lease/buy options, investment yield and many more. Full statistical functions. Manual with over 175 pages of business applications and a handy pocket guide. 5 1/4 × 2 3/4 × 3/8". With billfold case, two RS357A batteries. **65-875** **34.95**

Powerful Low-Cost Financial Calculator

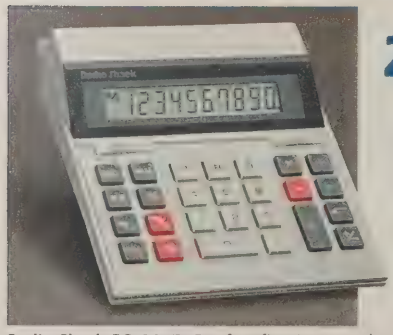
24.95

Includes Statistics Functions



Radio Shack EC-5010. The preferred choice for business majors in college. Functions for calculating amortization, interest, rate conversions and much more. Comprehensive manual includes more than 30 real-life applications. 5 1/16 × 2 3/4 × 3/8". With protective billfold case and two RS357A batteries. **65-870** **24.95**

Portable 10-Digit Desktop Calculator



29.95

NEW FOR '90

- **Large Easy-to-Read LCD Display**
- **Big "0" and "+" Keys For Rapid Addition**
- **Auto Shutoff**

Radio Shack EC-2017. For fast figuring anywhere. Full 4-key memory. Percent, square root and sign change keys. Automatically inserts commas every third digit. 1 19/32 × 5 11/32 × 6 3/32". Requires 2 "AA" batteries. **65-579** **29.95**

Dual-Powered 10-Digit Portable

19.95

- **Built-In Desk Stand**
- **Jumbo Display**

Radio Shack EC-2013. Auto-switches from solar to battery power in dim light. MU key computes the selling price of a product to obtain a desired mark up. Sign change, 3-key memory, square root and percent keys. 5/8 × 3 7/8 × 6 1/8". With vinyl pouch, RS357A battery. **65-575** **19.95**

Electric Pencil Sharpener

NEW FOR '90

10.95

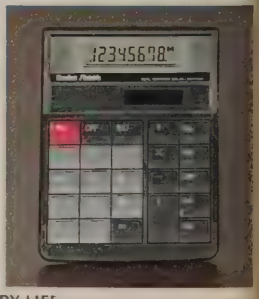
Battery Operation

Cordless convenience plus the quality of an AC-powered sharpener. Just insert a pencil and gently push down—motor stops when pencil is removed. 3 1/2 × 5 1/2 × 2 1/2". Requires 4 "AA" batteries.
61-2590 . . . . . **10.95**

Space-Saving Desktop Calculator

12.95

Dual-Powered—Auto-Switches From Solar to Battery in Dim Light



Radio Shack EC-2016. Compact—yet full featured! Tilted display for convenient viewing. Large, easy-to-read digits. Four-key memory. Percent and markup keys. Double size "+" key. 1 1/8 × 4 3/16 × 5 9/16". With RS389A battery. **65-578** **12.95**

ALL CALCULATORS ON THIS PAGE HAVE LCD DISPLAYS FOR LOW CURRENT DRAIN AND LONGER BATTERY LIFE

The Best in Desk and Portable Printing Calculators

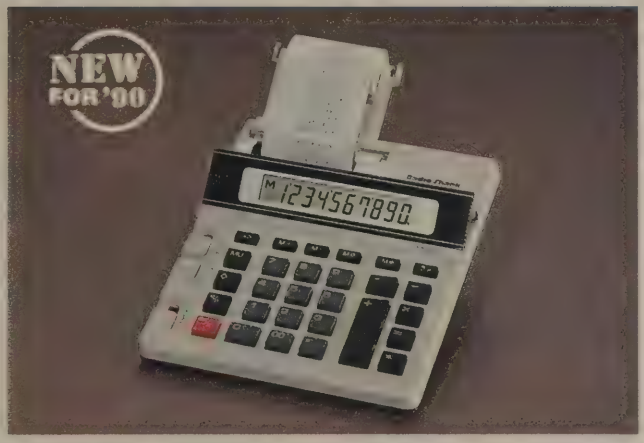
Easy-to-Read 10-Digit Fluorescent

69.95

- **Full Four-Key Memory Calculations**
- **MU Key for Fast Computation of Markup**

Radio Shack EC-3019. Unerring choice for bookkeepers, auditors, accountants or anyone using a calculator throughout the working day. Features built-in functions of markup, discount/add-ons and mixed calculations. Has percent key, round-off, "00" key, print/nonprint and item-count print controls. Four decimal options, including floating. Oversize "+" and "0" keys. 2¼ × 6⅞ × 9 1/16". With sample paper roll. UL listed AC. **65-969** **69.95**

Slim-Line Desktop With Jumbo Display



49.95

- **Display Tilts for Viewing Comfort**
- **Dual-Powered—Battery or AC Operation**

Radio Shack EC-2014. Get double convenience—the portablity of a cordless calculator along with a full-sized keyboard. Large, easy-to-read 10-digit LCD display. Four-key memory. Functions for mark up, percent, discount and round down/up. Four decimal options, including floating. 1 9/16 × 6 19/64 × 7⅞". Requires 4 "AA" batteries or AC adapter. **65-966** **49.95**
AC Adapter. UL listed. **273-1454** **7.95**

12-Digit Fluorescent and 2-Color Printing

79.95

- **Prints Subtractions In Red So They Stand Out**
- **Controls for Print, Nonprint And Item-Count Print**

Radio Shack EC-3015. Date-key adds date or your reference number to paper tape. Features 4-key memory, decimal point selector, last-digit correction, round-off and commas every third digit. Has percent, change-sign and double "0" keys. 2 × 7¾ × 9 1/16". Includes paper roll. UL listed AC. **65-970** . . **79.95**

Bright 10-Digit Fluorescent

49.95

Oversize "+", "−" And "T" Keys

Radio Shack EC-3017. Four-key memory. With constant, automatic percentage add-on and discount calculations. Two-way power—AC/battery operation. 2 × 7½ × 8 3/16". Requires 4 "AA" batteries or AC adapter. **65-967** **49.95**
AC Adapter. UL listed. **273-1454** **7.95**

Mini 10-Digit LCD

34.95 **AC/Battery Operation**

Radio Shack EC-3016. Compact size but loaded with features. Fits easily in briefcase or purse—ideal for business people on-the-go who need a permanent record of transactions. Features 3-key memory, percent, double size "+". 1 7/16 × 3½ × 7" Requires 4 "AA" batteries or AC adapter. **65-954** **34.95**
AC Adapter. UL listed. **273-1454** . . **7.95**

Paper for Your Printing Calculator

Plain. For all Radio Shack models

Size	Fits	Cat. No.	Pack of 3
2¼"	65-664/952/954 966/967/969 965/669/970	65-710	2.39
1½"	65-666	65-712	1.49
1½"	65-951/953/955	65-713	2.29
2¼"	65-954	65-715	2.59

Thermal. For early models

Size	Fits	Cat. No.	Price
2¼"	65-643/644 645/646	65-706	3.29 3 Pack
1½"	65-665	65-711	1.99 5 Pack

Hand-Held Computing Power for Home and Office

Powerful Data Bank/Scheduler

219.95

Low As $15 Per Month

NEW FOR '90

- Stores 62,000 Characters
- Displays Six Lines of 32 Characters

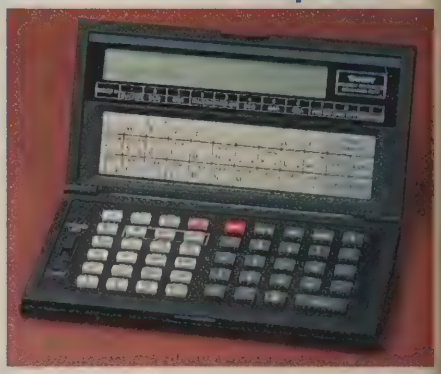
NEW! Radio Shack EC-345. A pocket-size appointment/data directory to keep you organized, more productive. The EC-345 features data management and calculator functions, plus a scheduler alarm that alerts you before an appointment. Displays the time of day in 127 cities and 24 time zones around the globe. There's a business card library and telephone directory for up to 2700 names and numbers. The EC-345 can be linked to a computer with optional interface available by special order from the Radio Shack Consumer Mail Center. Folds to 5/8 × 5 1/4 × 2 7/8". Includes batteries. **65-945** **219.95**

Programmable Pocket Computer

119.95

Low As $15 Per Month

- Easy-to-Read 24-Character Display
- 65 Built-In Scientific Functions



Tandy® PC-6 Scientific Pocket Computer. Do advanced scientific calculations and write programs in BASIC or Assembly Language. 8K RAM. Folds to 3/4 × 2 3/4 × 5 5/8". Includes batteries. **26-3672** **119.95**

PC-6 8K RAM Expansion Module. 26-3674 . . . . . **19.95***

PC-4/5/6 Printer. Requires 26-3671 cable. **26-3652** **99.95***

Cassette Interface. Requires 26-3671 cable. **26-3651** **39.95***

Cassette Interface and Printer Cable. 26-3671 . . . . . **16.95***

Thermal Paper. 1 1/2" wide. **65-711** **5/1.99**

Replacement Battery for PC-6. Requires two. **23-162** . . . **Each 1.99**

*Special Order May Be Required at Some Stores.

Digital Data and Dates Organizer

99.95

Radio Shack EC-319. Appointment calendar/data bank that's easy to use! Stores 32,000 characters and displays six lines of text. Files and "looks up" names and telephone numbers. Folds to 3 × 5 × 5/8". Includes batteries. **65-932** **99.95**

Multi-Featured Calculator with Clock

NEW FOR '90 **39.95**

Built-In Telephone Directory Lets You Enter Up to 100 Names, Numbers

Available Oct. 30, 1989

NEW! Radio Shack EC-323. Telephone directory, schedule, calendar, and alarm features. With two search keys and 4-key memory. 2 11/16 × 4 1/4 × 9/32". Includes battery, billfold case. **65-937** **39.95**

Calculator with Data Directory

NEW FOR '90 **24.95**

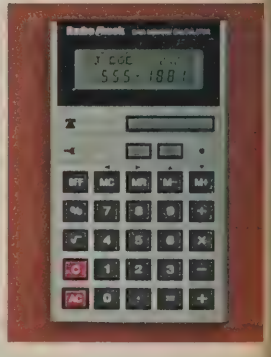
Stores Up to 100 Data Items

NEW! Radio Shack EC-322. A calculator that doubles as a personal directory. Telephone directory lets you store important names and phone numbers. Remember important dates with the schedule feature. Includes search, secret, capacity check and symbol functions. Includes billfold case. 2 5/8 × 4 3/16 × 3/8". **65-936** **24.95**

Easy-to-Use Data Memory Calculator

14.95

Stores Up to 50 Data Items



Radio Shack EC-321. Calculator plus easy-to-use data bank! Stores names, phone numbers, bank and credit card numbers. Includes battery, case. 3 3/8 × 2 1/16 × 5/32". **65-934** **14.95**

TANDYFAX™ 1000 Is the Money-Saving Way to Send Vital Information Across Town or Worldwide–Fast

Send and Receive Crisp, Legible Copies In Just Seconds Per Page

NEW LOW PRICE!

Was $1299.00 in 1989 Catalog

1099.00

Low As $55 Per Month

There's No Need to Put Off Till Overnight What You Can TANDYFAX Right Away!

- **Maintains and Prints a Record of All Transactions**
- **Also Makes Copies—Doubles As a Convenient Personal Copier**
- **Programmable Security Password Assures Confidentiality of Your Polled Transmissions**
- **Compact Size Utilizes Little Space on a Desktop or Cabinet**

Send Documents Anywhere In the World for the Price of a Telephone Call

TANDYFAX 1000. Now you can save the costly expense of courier and express charges! Simply connect the TANDYFAX 1000 facsimile machine to a rotary or tone phone line, and you're ready to send and receive crisp, legible copies of important letters, contracts, spreadsheets and other data—even line-art graphics and photos—across town or around the world.

Ideal for virtually any business, the TANDYFAX 1000 is useful in the home office as well. No longer will you have to stay late at the office waiting for an important fax. Just give the sender your home fax number! The built-in 24-hour timer lets you poll and transmit after hours—when rates are lowest. "Turnaround" polling lets you send and receive documents on the same call to minimize long-distance charges. And the auto-dial memory holds 70 numbers. The TANDYFAX 1000 maintains and prints a record of all transaction data for your review.

The TANDYFAX 1000 has the features, speed and performance you need—at a surprisingly low cost. **43-1200** (TSP available) . . **1099.00**

TANDYFAX 1000 Accessories

Replacement 8½" x 98' Thermal Paper Roll. Prints black. Colored stripe appears when paper approaches the end of the roll. Quantity discounts available with purchase of 6 or more rolls. **43-1260** **7.79**

TANDYFAX Cleaning Kit. Perfect for cleaning and maintaining most brands of facsimile machines to ensure clear fax reproduction. Kit contains 4-oz. of cleaning fluid plus 20 non-abrasive lint and static-free wipes. **43-1250** **11.95**

SPECIFICATIONS: Compatibility: CCITT Group 3 (MH, MR)/Group 2, MWS (White Line Skip). **Resolution:** Horizontal: G3—203 LPI, G2—98 LPI; Vertical: G3—391 LPI (SUPER-FINE), 196 LPI (FINE), 98 LPI (STD), G2—98 LPI. **Automatic Document Feeder:** Max. 5 sheets. **Transmission Speed:** 17 seconds average document. **Document Size:** Max. 8.7 x 39.4" (with operator assistance), Min. 5.8 x 2.9". **Scanning Width:** G3—8.19", G2—8.07". **Recording Method:** Thermal. **Paper Size:** 8.5" x 98' (paper roll). **Modem Speed:** 9600/7200/4800/2400 bps with automatic callback. FCC registered. UL listed AC. **Size:** 5 x 12½ x 12" (excluding projections). **Weight:** 13 lbs. (6 kg).

Affordable Color Computer for the Whole Family

Color Computer 3 With Razor-Sharp Graphics

199.95 Monitor, platform and disk drive not included

Low As $15 Per Month

- **160 x 192, 320 x 192 or 640 x 192 Resolution**
- **Displays 32 x 16 Text Using a TV, 40 x 24 or 80 x 24 Text With a Monitor**
- **Uses Instant-Loading Program Pak™ Software**
- **Expands Easily as Needs and Skills Grow**

128K Extended BASIC Color Computer 3. Ideal for graphics, programming, budgets, word processing, database management, spreadsheet analysis and many other applications. Easily attaches to your TV, or use the CM-8 Monitor to create high-resolution charts and engineering drawings in vivid colors. Memory expandable to 512K. **26-3334** (TSP available) **199.95**

CM-8 RGB Analog Color Monitor. 26-3215 . . . . . **299.95**

FD 502 Disk Kit #0. Write your own applications or add ready-to-run software. **26-3133** **299.95**

2nd Drive. (For 26-3133, above). **26-3135** **179.95**

Color Computer 3 512K Board. Less RAM. **26-3336** . . **39.95***

256 RAM Kit. (Two required.) **25-1079** . . . . . **Each 149.95***

Monitor Platform. 26-1329 . . . . . **19.95**

OS-9 Operating System and Accessories

OS-9 Disk Operating System. 26-3030 . . . . . **69.95**

OS-9 Level Two. Supports 512K RAM and dual speed. **26-3031** **79.95**

OS-9 Development System. 26-3032 . . . . . **99.95**

Multi-Vue. User-friendly graphics interface (Level Two). **26-3035** . . . **49.95**

Rainbow Guide to OS-9 Level Two. 26-3188 . . . . . **19.95**

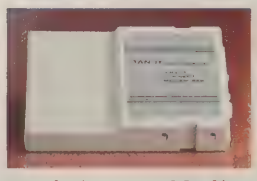
Upgrades for Color Computer 2

16K RAM Upgrade Kit. 26-3015 . . . . . **29.95**

Low-Profile Keyboard Kit. Upgrades any Color Computer 2 with the older keyboard style to our newer version. **26-3016** **24.95***

64K RAM Upgrade Kit. 26-3017 . . . . . **59.95***

DC Modem Program Pak



89.95

RS-232 Interface And 300-bps Modem

Transfer/receive ASCII files or access information services by phone. **26-2228** **89.95**

Pistol Grip Joystick

29.95 NEW FOR '90

Your game action will never be the same! The pistol grip provides realism and accuracy. Two buttons built into base. **26-3123** **29.95**

Joysticks for Two

19.95 Pair

Our lowest-priced joysticks. Now two players can experience the fun. Fast 360° movement. Single-shot button. **26-3008** . . . **Pair/19.95**

Our Deluxe Joystick

22.95

Sharp Cursor and Game Interaction

New Low Price! "Spring-centering" or "free-floating" operation. Was $29.95 in Cat. 432. **26-3012** **22.95**

Deluxe Color Mouse

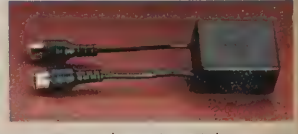
49.95

2-Button Mouse. 26-3125 . . . . . **49.95**

New Low Price! 1-Button Mouse. (Not shown.) Was $49.95 in Cat. 406. **26-3025** **29.95**

Hi-Res Joystick Interface

9.95



Plugs into the cassette and one joystick port to allow standard or deluxe joystick to address higher-resolution modes on the Color Computer 2 or 3. **26-3028** **9.95**

*INSTALLATION REQUIRED (NOT INCLUDED). SOME INSTALLATIONS MAY REQUIRE ADDITIONAL-COST HARDWARE

Color Computer Games and Applications for All

Color Computer Program Pak Versions of Challenging Nintendo® Games

Get the best of both worlds! Your Color Computer gives you personal computing power, plus the versatility to enjoy these popular action-packed Nintendo arcade games!

New! Robocop. Detroit is under siege! It is up to you to take the city back from the slimeballs and hoods who have overrun it. As Robocop, you'll use a high-tech arsenal of weapons to get past all kinds of criminals to meet up with the biggest thug of all—Dick Jones. Then it is you against him! Color Computer 3 only. **26-3164** **34.95**

New! Predator. As Major "Dutch" Schaefer, you face a deadly alien creature that skins men alive and collects human skulls. And now the Predator that wasted all of your men is coming after you! Can you avenge their deaths and destroy this thing? Color Computer 3 only.
26-3165 . . . . . **34.95**

New! Rampage. Smash and trash. Go ahead—get it out of your system. Lose your temper. Smash a skyscraper. Trash an entire city. Have an office building for lunch. Go on a Rampage. You get 132 different metropolitan cities to totally destroy any way you like. Color Computer 3 only.
26-3174 . . . . . **34.95**

New! Arkanoid. Suddenly, space is a deadly place! Aliens from the unknown have destroyed your planet and now they're coming after you! The only way you can survive is to repel their massive attack—and win! For Color Computer 2 or 3.
26-3043 . . . . . **34.95**

Tetris. The irresistibly addictive Soviet challenge! Discover the mystery of the four squares in this intriguing and challenging game conceived by two Soviet programmers. For Color Computer 2 or 3. **26-3163** . . . **29.95**

Color Computer 3 Program Paks

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Shanghai. Tension grips as fortunes ride on the clicking tiles of a game—Mah Jongg—a 3,000-year-old obsession. **26-3084** **24.95**

Castle of Tharrogad. Storm a treacherous castle to explore its dangerous 3-D maze. Requires joysticks. **26-3159** **29.95**

A Mazing World of Malcom Mortar. As you wind your way through myriad passages towards the basement, you hear the crash of breaking masonry above. For a moment all is black, then . . . ? **26-3160, 29.95**

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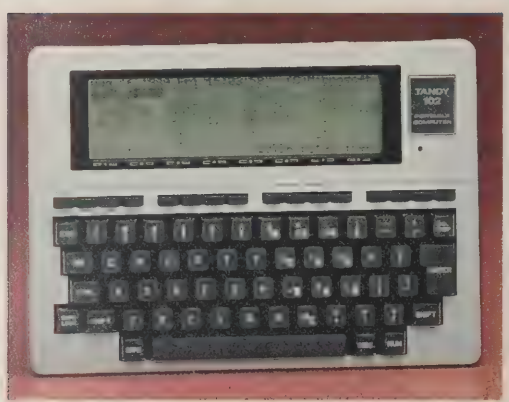
Our All-Time Favorite Micro Executive Workstation™



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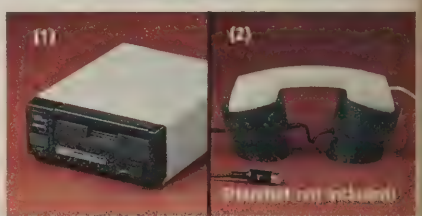
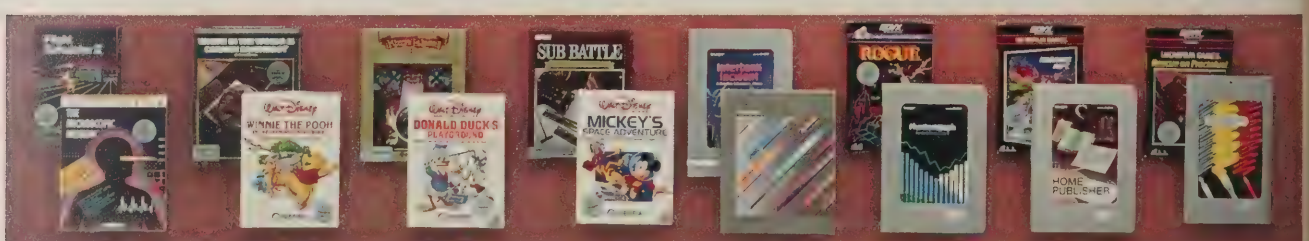
(2) Acoustic Coupler 2. Use when direct phone connection isn't possible. **26-3818, 59.95***





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**Color Computer 3 only

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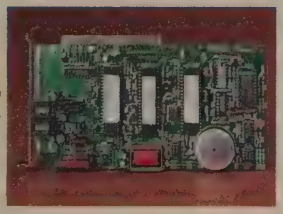
Access Online Information with Tandy® Modems

Choose an Easy-to-Use Internal Modem



Tandy internal modems feature Hayes® command set, auto-dial/answer, monitor speakers and telephone cord. Bell 212A compatibility at 1200 bps, Bell 103 compatibility at 300 bps. FCC registered.

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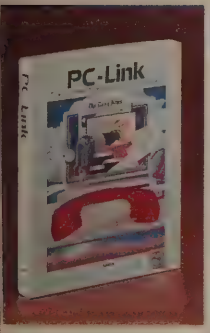
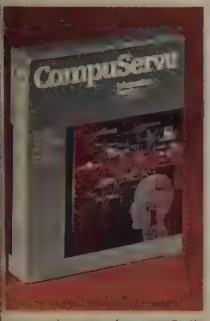


DeskMate™ User Interface by Tandy

PC-Link Online Information Service. Get unlimited access to a wide range of useful and exciting services including news, airline reservations, stock quotes, support from Tandy Computer and DeskMate experts and much more for only $9.95 per month—and your first month is free! The DeskMate Interface lets you select options from the colorful, easy-to-read menus. Chat with friends and send E-Mail. Play games with people all over the country, or access thousands of programs, including previews of "hit" software. Includes user guide, PC-Link software and one free month of service. **25-1255** **29.95**



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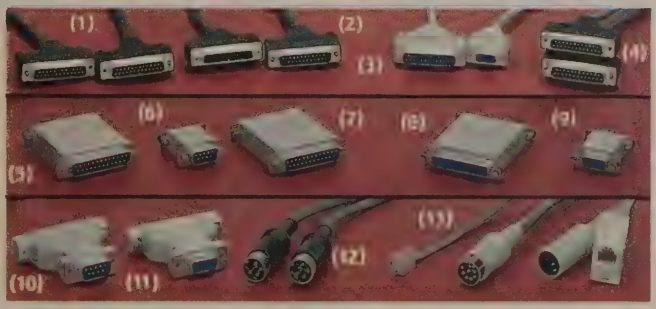

Fig.	Description	Connectors	Cat. No	Each
1	6' round shielded	DB25 male/DB25 male	26-249	17.95
2	6' round shielded	DB25 male/DB25 female	26-240	17.95
3	6' round shielded	DB25 male/DB9 female	26-269	17.95
4	10' round shielded	DB25 male/DB25 male	26-291	24.95*
4	25' round shielded	DB25 male/DB25 male	26-292	29.95*
4	50' round shielded	DB25 male/DB25 male	26-293	44.95*
4	100' round shielded	DB25 male/DB25 male	26-294	69.95*
5	Null Modem Adapter	DB25 male/DB25 female	26-1496	7.95
6	Null Modem Adapter	DB9 male/DB9 female	26-264	6.95
7	Gender Changer	DB25 male/DB25 male	26-243	7.95
8	Gender Changer	DB25 female/DB25 female	26-1495	7.95
9	Gender Changer	DB9 female/DB9 female	26-266	6.95
9	Gender Changer	DB9 male/DB9 male	26-280	6.95
10	Port Adapter	DB25 male/DB9 male	26-1388	7.95
11	Port Adapter	DB25 female/DB9 female	26-265	7.95
11	Port Adapter	DB25 female/DB9 male	26-287	7.95
12	Color Computer, 6'	4-pin DIN male/4-pin DIN male, special serial	26-3020	5.95
13	Tandy 102 Modem twin 4' direct connect	8-pin DIN (Heshman-type) male/modular phone RJ11C	26-1410	19.95

*se modems only with Bell-compatible equipment. Direct-connect modems require controller for multiline use. Hayes/Reg. TM Hayes Microcomputer Products, Inc.

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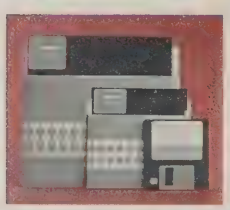

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3½", 5¼" 10-Packs Come In Protective Boxes

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Size	Tracks	Capacity	Qty.	Cat. No.	Price
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			10	26-418	27.95
5¼"	40	360 KB	3	26-411	4.95
			10	26-412	12.95
	80	720 KB	3	26-409	9.95
			10	26-410	24.95
8"	77	1.2 MB	10	26-4960	39.95*

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Size	Tracks	Capacity	Qty.	Cat. No.	Price
3½"	80	1.44 MB	3	26-423	27.95*
			10	26-424	69.95*
5¼"	80	1.2 MB	3	26-421	9.95*
			10	26-422	24.95*

Single-Sided

Size	Tracks	Capacity	Qty.	Cat. No.	Price
8"	77	608 KB	10	26-4906	37.95*

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NEW! 5¼", 26-245, Pkg. 100/2.95

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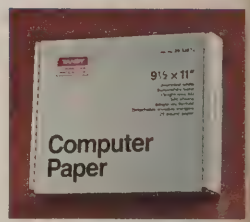
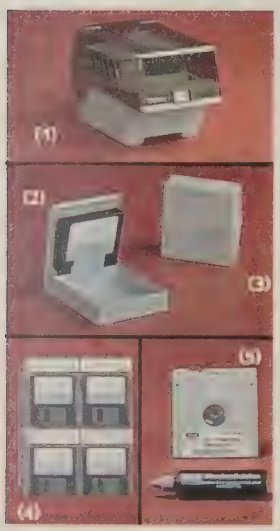
- High-Quality, One-Part Bond Paper–Not Ground Wood or Recycled Paper
- "Invisible" Detachable Margins on Letter-Sized (9½" × 11") Sheets
- 20# Bond Sheets Use Special Superwhite, Letter-Quality Paper



Size	Design	Sheets	Weight	Brightness	Cat. No.	Each
9½ x 11"	Blank	500	16# Hibulk	80	26-1423	11.29
	Blank	1250	16# Hibulk	80	26-276	27.95
	Blank	500	20#	88 Superwhite	26-1387	13.59
	Blank	1250	20#	88 Superwhite	26-1427	34.95
	Blank	2500	20#	88 Superwhite	26-277	62.95*
	Greenbar	3500	16# Hibulk	80	26-1403	69.95*
14⅞ x 11"	Greenbar	1500	15#	80	26-278	44.95*



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3½". Holds 10. 26-273 . . . . . 1.19
NEW! 5¼". Holds 3. 26-216 99
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26-1316 . . . . . Pkg. 10/7.95*
NEW! 5¼", 4-pocket. Includes labels.
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8". 15 cleanings. 26-4957 . . . . . 8.95*
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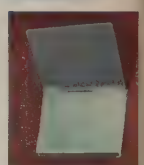
9½ x 11" Printout Binder.
26-212 . . . . . 2.99*



Fanfold Mailing Labels

Width	Carrier	Qty.	Cat. No.	Each
1	4¼"	1000	26-1328	6.29
1	4¼"	5000	26-261	19.95*
2	9½"	2000	26-262	16.95*
3	9½"	3000	26-263	16.95*

New! Computer Labels

Type	Qty.	Cat. No.	Each
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Color File Folder	1500	26-282	9.95*
Clear Mail Labels	500	26-247	19.95*
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Laser Labels	750	26-299	7.95*

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PT 210/TRP 100	76-1003	6/29.95*
PC 1	26-3506	6/2.29*
PC 2	26-3606	6/3.19*
PC 3/8	26-3592	5/2.49
PC 4/5/6	65-711	5/1.99
Quick Printer	26-1405	3/24.95*
Quick Printer II	26-1412	2/6.95*
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C-20	26-301	2.79
C-10	26-302	1.89

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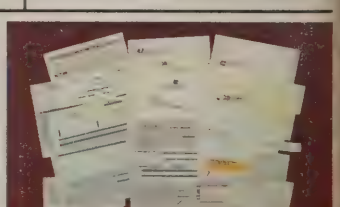
Radio Shack provides a complete selection of custom-designed business forms, stationery, envelopes and labels that are guaranteed compatible with Tandy computer systems. Place your order at your nearest Radio Shack Store today.



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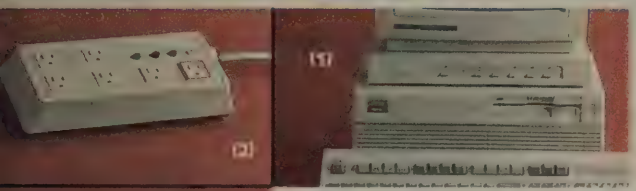

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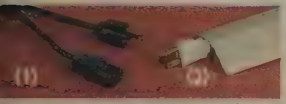

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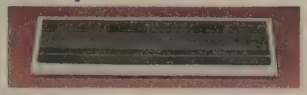
Durable steel construction and non-skid rubber feet opens to 7½" wide. Easy to assemble. **26-201** **29.95***

Keyboard Cover



Fits Tandy 101-key keyboards and IBM (not for 25-4038). **26-1336** **7.95**

Flowchart Template

2.49

Create easy-to-follow programming flowcharts. **26-254** . . **2.49**

Cable Security System

19.95

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A low-cost theft deterrent. Mounting plates attach to desk and side of equipment with special adhesive. Includes lock. **26-1376** **19.95***

Extension Cables

5' Keyboard. For Tandy 1000 (90-key) keyboard. **26-1389** . . **14.95***

NEW! 5' Keyboard. For Tandy 1000 SL/TL/3000/4000 with #25-4032 keyboard. **26-256** **14.95**

6' Monitor. (DB9). **26-257, 14.95***

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Fully adjustable arm and easel positions copy just where you want it. **26-234** **39.95***

Dust Covers

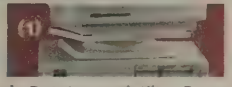
Computers/Monitors	Cat. No.	Each
CPU with Monitor	26-541	9.95
NEW! Vertical CPU	26-552	5.95*
Tandy 1000 EX/HX	26-543	4.95
Universal Color Monitor	26-548	4.95
Printers	**Cat. No.**	**Each**
DMP 105/106	26-530	4.95*
NEW! DMP 107/133	26-549	4.95
NEW! DMP 300	26-550	4.95*
NEW! DMP 442/2102	26-551	4.95*
DWP 220/230	26-537	4.95*

Mouse Accessories

(1) **Mouse Hanger.** Conveniently protects your mouse when not in use. **26-275** **2.49**

(2) **Mouse Pad.** Smooth tracking surface for mouse controller. Cloth top. 9½ × 7¾". **26-237** **6.95**

Monitor Components



(1) **Monitor Pedestal.** Rotates and tilts. Base: 11 × 10¼". **26-1369** **16.95**

(2) **Universal Monitor Platform.** Durable molded plastic. 4¾ × 20⅞ × 12". **26-1329** **19.95**

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Safely reduce harmful static buildup in carpet and equipment. 16 oz. **26-515** **5.95***

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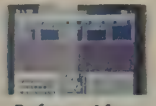

Before After

For Tandy Color Monitors. Eliminates surface glare, improves readability and reduces eyestrain. **26-202** **29.95***

*SPECIAL ORDER MAY BE REQUIRED IN SOME STORES. ITEMS SHOWN WITH OPTIONAL COMPUTER COMPONENTS (SOLD SEPARATELY).

Deluxe Tandy Laser Printer is Loaded With Features

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(Plus Applicable Use/Sales Tax)

- **1.5-MB Memory for Full-Page Graphics Printing**
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LP 1000. Delivers laser-sharp print clarity that rivals professional typeset quality! Ideal for word processing and desktop publishing. Quietly prints up to six pages a minute. Tandy®, IBM®, and HP LaserJet Plus® compatible. Centronics parallel and video interfaces. UL listed AC. **26-2804** (TSP available) **2599.00**

Kit A. Drum/cleaner/maintenance kit. **26-2805** **199.95**

Kit B. Cleaner/maintenance kit. **26-2806** **99.95**

Toner. 26-2807 . . . . . **27.95**

Font Download Utility. 25-1305 . . . . . **195.00**

IBM/Reg. TM IBM Corp. HP LaserJet Plus/Reg. TM Hewlett Packard.

High-Speed Tandy Dot Matrix Printers for Demanding Business Applications

Print Customized Type Styles

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(1) DMP 2120. IBM PC compatible with 24-wire print head. Optional type font capability. Prints up to 240 cps. 7 3/4 × 22 1/2 × 15 3/8". UL listed AC. **26-2811** (TSP available) **1599.00**

Selectable Triple-Mode Printer

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(3) DMP 442. Powerful 132-column printer. Courier and Gothic fonts. Prints up to 300 cps. Tandy, IBM Proprinter II emulations. 4 5/8 × 21 3/4 × 13 5/8". UL listed AC. **26-2822** (TSP available) . . . **699.00**

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(2) DMP 2102. Wide carriage format and Courier and Prestige near-letter-quality fonts. Prints up to 270 cps. 24-wire print head. 4 5/8 × 21 3/4 × 13 5/8". UL listed AC. **26-2817** (TSP available) . . . **999.00**

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CSF 300 Cut Sheet Feeder. 26-2816 . . . . **299.95**

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- **Tandy/IBM PC Compatible**
- **Interchangeable Print Wheels**

DWP 230. PC compatible printer uses interchangeable 96-character print wheels. Prints 200 words per minute (20 cps). Select 10 or 12 characters per inch, or proportional pitch. Includes Courier 10 print wheel and carbon ribbon. Parallel and Color Computer-compatible serial interfaces. 6⅝ × 24⅜ × 13⅜". UL listed AC. **26-2812** (TSP available) **459.95**

Dot Matrix Personal Printer

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- **Tandy/IBM Graphics Emulation**
- **Prints 160 Characters Per Second**

DMP 133. Word-processing, data-processing and dot-addressable graphics modes let you print with style. Built-in push tractor with reversable paper tray, parallel and Color Computer-compatible serial interfaces. Supports super/subscripts, double-width, bold, double-strike and microfonts. 4 × 15 × 11". UL listed AC. **26-2815** (TSP available) . . **379.95**

Low-Cost High Performer

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- **Courier and Draft Fonts**
- **Prints 100 Characters Per Second**

DMP 107. Produces bit-image graphics and features Tandy/IBM printer emulation. Bidirectional—prints 80 upper and lowercase letters per line (8 × 9 matrix) at 43 lines per minute (at 10 characters per inch). Removable push tractor, parallel and Color Computer-compatible serial interfaces. 4 × 15 × 10". UL listed AC. **26-2821** (TSP available) . . **279.95**

Replacement Printer Ribbons

Printer	Ribbon	Cat. No.	Each
LP III, V	Fabric Cartridge	26-1414	9.95
LP VI, VIII	Fabric Cartridge	26-1418	9.95
LP VII, DMP 100	Re-inking Fabric	26-1424	13.95
DMP 110	Cartridge	26-1283	8.95
DMP 130	Cartridge	26-1236	10.95
DMP 130	Refill (3/Pak)	26-1238	14.95
DMP 105/106	Cartridge	26-1288	8.95
DMP 300/2102	Ribbon	26-2819	11.95
DMP 430	Cartridges	26-1296	14.95
DMP 442	Ribbon	26-2823	11.95
DMP 2100	Ribbon	26-1442	9.95
DMP 2120	Black Ribbon	26-2834	39.95
DMP 2120	Color Ribbon	26-2835	79.95
DW II/510	Ribbon	26-1419	19.95
DWP 210/230/520	Multi-Strike	26-1445	19.95
DWP 210/230/520	Fabric Ribbon	26-1458	7.95
DWP 220	Multi-Strike	26-1299	19.95
DMP 13X/107	Color Ribbon Pak	26-1235	19.95

We Have the Printer Cable You Need

Fig.	Fits	Description	Length	Cat. No.	Each
1	Tandy 1000 Series	Edge Card/36-pin Tandy port	6'S 12'S	26-225 26-222	34.95 39.95
		Edge Card/36-pin IBM port	6'S	26-289	34.95
2	All Tandy 3000/ 4000/5000 1400/WP2/IBM	25-pin male/36-pin Tandy port	6'S 12'S	26-227 26-223	34.95 39.95
		25-pin male/36-pin IBM port	6'S	26-288	34.95
3	Model I/3/4 14P/4D	Edge card/36-pin Tandy port	6'	26-1401	29.95
4	Model II/16/ 2000	34-pin female header/36-pin Tandy port	6'	26-4401	29.95
5	Model 100/102/ 200/600	26-pin female header/ 36-pin plug, ribbon	6'	26-1409	14.95
6	MC-10/ Color Computer	4-pin DIN/4-pin DIN, special serial cable	6'S	26-3020	5.95
N/P	26-2840 Cable Extension	36-pin male/36-pin male Requires 26-2840	25'S	26-290	59.95

NOTE: An "S" after the cable length indicates shielded round cable

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rint wheels and plotter pens for all Tandy and Radio Shack daisy wheel rinters and plotters are available by special order through our exclusive onsumer Mail service. If the print wheel or plotter pen you need is not in ock at the Radio Shack Computer Center, Radio Shack Store or Dealer ear you, the item will be shipped to your local store in a few days. There no extra charge for this service, no minimum order requirement.

Accessories to Enhance Your Printer

Four Way Printer Selector. 4 input/1 output. **26-2828** **59.95**

Serial/Parallel Converter. 26-2829 . . . . . **99.95**

Printer Signal Booster. Requires 26-290 cable. **26-2840** **29.95**

Printer Selector 2 Interface. 2 input/2 output. UL listed. **26-2820** **99.95**

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The high-performance answer for power users. IBM® Micro Channel™ compatible architecture provides a fast 32-bit data path. The 5000 MC's Intel® 80386™ microprocessor operates at 20 MHz, and a memory cache controller provides RAM-fast access to your data. 2 MB RAM, VGA graphics built in. UL listed AC. **25-6000*** (TSP available) **4999.00**

A new level of performance plus industry-standard architecture that ensures total compatibility with popular add-in cards and devices. The 4025 LX boasts a super-fast 25 MHz Intel 80386 microprocessor, VGA graphics, a high-speed memory cache controller, 2MB RAM and SmartDrive™ IDE hard disk support. **25-5125** (TSP available) **4999.00**

An ideal high-performance file server or power CAD/CAM workstation. The 4020 LX features a 20 MHz 80386 processor, VGA graphics, a high-speed memory cache controller, 1MB RAM and SmartDrive™ IDE hard disk support. Industry-standard architecture ensures compatibility with popular add-ons. **25-5120** (TSP available) **3999.00**

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Monitors sold separately. MS-DOS/licensed from Microsoft Corp. Intel/Reg. TM and 80386/TM Intel Corp.

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0386 power and performance at a surprisingly affordable price. The versatile Tandy 000 is easily expandable with up to six AT® nd two XT™-style expansion boards. Built-in ½" 1.44MB floppy disk drive, plus room for vo additional front-panel drives. Includes GA adapter. 16 MHz clock speed, 1MB RAM. L listed AC. **25-5000** (TSP avail.), **2999.00**

A price/performance breakthrough. Featuring the new Intel 80386SX microprocessor, the 4000 SX also offers built-in VGA graphics and SmartDrive IDE hard disk support for use as a stand-alone system or network workstation. 16 MHz clock speed and 1MB RAM, expandable to 16MB using two high-performance memory slots. **25-4900** (TSP avail.), **2599.00**

The Tandy 3000 NL gives you the power to manage your business as a stand-alone base system or as a versatile network workstation. Features a 10 MHz Intel 80286 microprocessor, four front-panel device slots, four AT and three XT-style expansion slots for maximum flexibility. 512K RAM. UL listed AC. **25-4072** (TSP available) **1699.00**

Monitors sold separately. XT, Micro Channel/TM and AT, IBM/Reg. TM IBM Corp.

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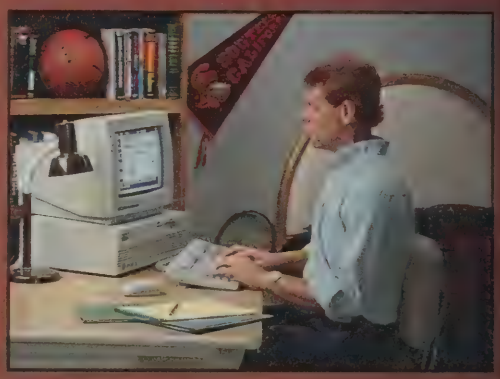
Our Tandy 1000 SL is the Ideal First Computer for Home or Dorm! Includes DeskMate® Software

899.00 Less monitor and mouse

Low As $45 Per Month



- **MS-DOS® and DeskMate Are Built In**
- **DeskMate User Interface Graphically Displays Your Software Selections**
- **Fast 8086 Processor (8/4 MHz Clock Speed)**
- **Superb Sound and Speech Capabilities**

Tandy 1000 SL. You can be up and running your programs in seconds! Turn on the 1000 SL and MS-DOS loads automatically. And instead of computerese, the 1000 SL will greet you by displaying the DeskMate Graphical User Interface, an organized listing of your programs.

Choose from popular, industry-standard software, or get right to work with the included DeskMate software. DeskMate lets you write letters or book reports with the aid of a built-in 90,000-word spelling checker, keep a budget, organize your files, schedule events and create colorful graphics.

DeskMate also features an address book, custom form design, Hangman word game, communications and PC-Link, an affordable online information service. An exclusive Music program and sound editor let you record and edit music, voice or other sound effects directly onto your 5¼" diskettes. Listen to your recordings through the 1000 SL's built-in speaker or plug in headphones for private listening.

Thanks to a built-in tutorial program, DeskMate is easy to use, easy to learn. Plug in an optional mouse for "point and click" convenience.

As your needs grow, the 1000 SL is easily expandable at anytime with more memory, a second disk drive (5¼" or 3½"), hard disk cards and more. **25-1401** (TSP available) **899.00**

CM-5 RGBI Color Monitor. As seen in photo.
25-1043 . . . . . **299.95**

CM-11 High Resolution RGBI Color Monitor.
25-1024 . . . . . **399.95**

5¼" Floppy Disk Drive Kit. Mounts internally. Installation recommended (not included). **25-1063** **169.95**

3½" Floppy Disk Drive. Mounts internally. Installation recommended (not included). **25-1075** **169.95**

3½" to 5¼" Adapter Bracket for 25-1075.
25-1076 . . . . . **34.95**

20-Megabyte Hard Disk Card. 25-1032 . . . . . **499.95**

Serial Mouse. Great for use with DeskMate. **25-1040** **49.95**

The FUNdamentals SL. 25-1236 . . . . . **19.95**

SPECIFICATIONS. Microprocessor: 8/4 MHz 8086. **Included Software:** MS-DOS 3.3 (in ROM), Phoenix® BIOS (in ROM), GW-BASIC and DeskMate. **Memory:** 384K RAM, expandable to 640K. **On Board Video Support: Text**—MDA or CGA compatible, 80 or 40 characters per line by 25 lines. **Graphics**—Hercules (720 x 348 pixels). CGA compatible with enhancements (640 x 200 pixels, 16-color and 4-color). **Sound:** Built-in 8 bit bi-directional DAC for sound and speech generation. **Disk Drives:** One 5.25" 360K (formatted) floppy disk drive. Expandable to support second floppy drive (5.25" or 3.5") and 1 hard disk card. **Keyboard:** 101-key enhanced. **Expansion Slots:** 5-10" IBM PC Bus compatible (8-bit) card slots. **External Connectors:** Parallel Printer Port, RS-232 Serial Port (9-pin male), 2 joystick ports, ⅛" Mic in and ⅛" stereo headphones out. **Internal Clock:** Optional SmartWatch (25-1033). **Dimensions (H x W x D):** 5.1 x 15.5 x 13.1". **Weight (Shipping):** 33 lbs. **Power Supply:** Input: 120 VAC, 50/60 Hz. Output: 67 Watts. UL listed. **Certification:** FCC Class B.

IBM/Reg. TM IBM Corp. MS-DOS/licensed from Microsoft Corp.

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286-Based Tandy 1000 TL/2 Offers High Performance For Small Business and Home Office Applications

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1299.00 Less monitor and mouse

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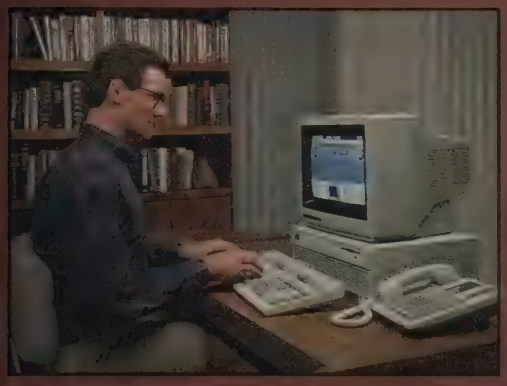


- **Intel® 80286 Microprocessor Gives You Extraordinary Speed and Processing Power**
- **640K RAM and 3½" Disk Drive Are Standard**
- **New SmartDrive™ Technology Provides Low-Cost Hard Disk Expansion**

Tandy 1000 TL/2. Absolutely packed with features! MS-DOS and the DeskMate Graphical User Interface are built in—just power and run. The DeskMate Interface neatly organizes your programs and lets you select commonly used MS-DOS commands right from a pull-down menu! Run sophisticated business software on durable 3½" 720K diskettes. A real-time clock/calendar, a parallel printer adapter and RS-232 serial port are all built in.

And because hard disk expansion is so important to serious PC users, the 1000 TL/2 features built-in SmartDrive technology. Tandy SmartDrives provide 20 or 40 megabytes of data storage without the need—or expense—of a separate controller board.

DeskMate 3 productivity software, with word processing, spreadsheet analysis, filing and other useful applications, is included—complete with a new Tutorial program to help you get started fast.

Built-in video supports monochrome text, Hercules monochrome graphics and CGA color graphics with enhancements. The superb graphics are complemented by digital sound and speech capabilities.

Expansion is easy—and thorough. Add a second 3½" internal drive and a 5¼" internal drive for complete flexibility. Inside, there are five PC-compatible card slots and a socket for a math coprocessor.

25-1602 (TSP available) **1299.00**

CM-11 High-Resolution RGBI Color Monitor. As seen in photo. **25-1024** **399.95**

CM-5 RGBI Color Monitor. 25-1043 . . . . . **299.95**

3½" Floppy Disk Drive Kit. Mounts internally. Installation recommended (not included). **25-1075** **169.95**

5¼" Floppy Disk Drive Kit. Mounts internally. Installation recommended (not included). **25-1063** **169.95**

20-Megabyte SmartDrive. 25-1045 . . . . . **399.95**

40-Megabyte SmartDrive. 25-1046 . . . . . **599.95**

Serial Mouse. Perfect for use with DeskMate. **25-1040** **49.95**

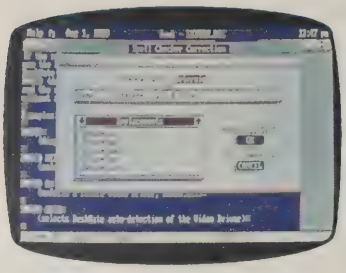
The FUNdamentals TL. 25-1233 . . . . . **19.95**

SPECIFICATIONS. Microprocessor: 8/4 MHz 80286. (Software Selectable). **Included Software:** MS-DOS 3.3 (in ROM), Phoenix® BIOS (in ROM), GW-BASIC and DeskMate. **Memory:** 640K RAM (expandable to 768K, 640K for MS-DOS and 128K for Video). **On Board Video Support: Text**—MDA or CGA compatible, 80 or 40 characters per line by 25 lines. **Graphics**—Hercules (720 × 348 pixels). CGA compatible with enhancements (640 × 200 pixels, 16-color and 4-color). **Sound:** Built-in 8 bit bi-directional DAC for sound and speech generation. **Disk Drives:** One 3.5" 720K formatted floppy disk drive. Expandable to support 3 floppy drives (2-3.5" and 1-5.25") and 1 SmartDrive hard disk using XT integrated drive electronics. **Keyboard:** 101-key enhanced. **Internal Expansion Slots:** 5-10" IBM PC Bus compatible (8-bit) card slots. **External Connectors:** Parallel Printer Port, RS-232 Serial Port (9-pin male), 2 joystick ports, ⅛" Mic in and ⅛" stereo headphones out. **Internal Clock:** Realtime clock/calendar with battery backup. **Dimensions (H × W × D):** 5.1 × 15.5 × 13.1". **Weight (Shipping):** 33 lbs. **Power Supply:** Input: 120 VAC, 50/60 Hz. Output: 67 Watts. UL listed. **Certification:** FCC Class B.

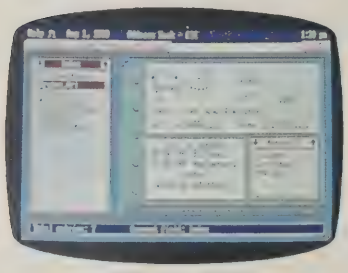
DeskMate/Reg. TM and SmartDrive/TM Tandy Corp.
Phoenix/Reg. TM Phoenix, Inc.

PC Users–Discover the DeskMate® Difference

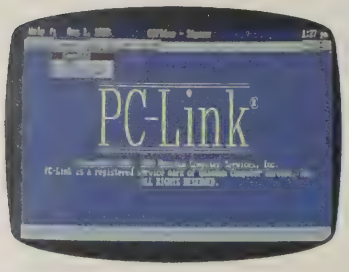
DeskMate 3 Features a New Tutorial Program—Get Right to Work!



Write letters and reports, then let DeskMate check your spelling



Creating a mailing list is as easy as filling in "pages" of an address book



Access a world of information using the PC-Link online service

99.95 NEW FOR '90

DeskMate™ User Interface by Tandy

- **Includes Everything You Need to Use Your Computer More Productively Right From the Start**
- **Pull-Down Menus and Pop-Up Dialogue Boxes Guide You Through Each Application With Ease**
- **For Tandy and Other PC Compatible Computers**

DeskMate 3. With so much to offer, DeskMate will quickly become an integral part of your system. It's incredibly easy to use, because it's designed around the DeskMate Graphical User Interface. With its pull-down menus and pop-up dialogue boxes, DeskMate will guide you through tasks quickly and simply—use a mouse and enjoy "point-and-click" convenience. Each day, DeskMate will greet you with the desktop. This neat, organized display, lists DeskMate applications as well as other programs you may own—and you can access them all with just a point and a click! The desktop also translates MS-DOS commands into plain English, so you won't have to learn cryptic codes. A collection of applications is included for writing letters, budgeting, filing and scheduling appointments. There's even a draw program and word game. A tutorial program will get you "up and running" in no time. And wherever you are in the program, you can always ask DeskMate's help function for timely, on-the-spot advice. **25-1350** **99.95**

Attention Current DeskMate Users!

PC users recognize what a valuable tool DeskMate really is. That's why it's important to keep up to date. Come in to any Radio Shack Store or participating Radio Shack Computer Center and see about our DeskMate upgrade offer.

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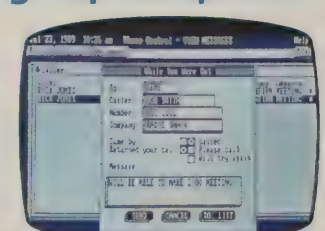
NEW FOR '90 **149.95**

Put Your PCs On Speaking Terms

DeskMate User Interface by Tandy



A simple, affordable approach to PC workgroups. DeskMate Workgroup Companion enhances DeskMate 3 with shared versions of the Calendar, Address Book and Phone List. The shared calendar will even show you when there is a schedule conflict. Talk allows you to communicate with others in the workgroup, and Forum invites comments and helps create action items. There is even a complete telephone messaging system. DeskMate Workgroup Companion has been licensed for two users, so two people can share one copy of the program.
Workgroup Companion. 25-1251 . . . . . **149.95***

Check Out These DeskMate Options

NEW FOR '90 **"Getting the Most Out of DeskMate 3".** An easy-to-read guide that helps new and old users alike get the most out of DeskMate. **25-1254** **21.95**

NEW FOR '90 **Using DeskMate 3.** This VHS training tape covers some of the most popular applications in DeskMate 3. **25-1253** **14.95**

NEW FOR '90 **Keyboard Template.** (Not shown.) Fits over Tandy/IBM® 101-key keyboards. (Not for 25-4038.) **26-1337** **4.95**

DeskMate Thesaurus Companion

Over 220,000 Words For Your Writing Needs **29.95**

You will never be at a loss for words! The DeskMate Thesaurus Companion integrates with DeskMate Text. It's a "must" for writing letters, reports, memos and more. **25-1252** **29.95**

*MAY REQUIRE SPECIAL ORDER IN SOME STORES

The Tandy 1000 HX Features MS-DOS® Built In

Our Lowest Priced PC-Compatible! So Easy to Use, It's Perfect for Home and School

699.00

Monitor and Platform not included

Low As $35 Per Month

- **MS-DOS Built In—You Can Load Without Diskettes!**
- **Includes Personal DeskMate™ 2 With Seven Applications**
- **Features 8088-2 Microprocessor With Switchable 7.16/4.77 MHz Clock Speed**
- **Built-In 3½" 720K Disk Drive ■ 256K RAM**
- **Software Compatible With the IBM PC—Choose From Thousands of Popular Software Programs**

Tandy 1000 HX. An entry-level PC with deluxe features! MS-DOS is built in so you can load your program diskette and start computing in seconds. It's the ultimate in ease of use for first-time users, the ultimate in time-saving convenience for experienced users! You can plug in joysticks, RGB color monitor, or a printer without buying extra-cost adapters. There's even a 3-voice sound circuit for music generation through the built-in speaker or headphone jack with volume control—a great asset in the home/classroom. Your first program is included—Personal DeskMate 2 seven-in-one integrated software. Personal DeskMate 2 is easy to use with a 16-color PAINT program which lets you create drawings and designs, and a MUSIC program that lets you enter and play back songs of your choice. Other useful programs include TEXT, WORKSHEET, FILER and a COMMUNICATIONS program* for accessing information services. There's also a CALENDAR to remind you of important appointments and dates. **25-1053** (TSP available.) **699.00**

*Communications require modem. MS-DOS/licensed from Microsoft Corp.

Popular Tandy 1000 HX Accessories

CM-5 Color Monitor. As seen in photo (above). **25-1043** . . . **299.95**

Monitor Platform. As seen in photo (above). **26-1329** **19.95**

Memory PLUS Expansion Adapter. Expands your Tandy 1000 HX/EX to 384K and adds DMA circuit. **25-1062** **149.95**

Deluxe Color Mouse. As seen in photo (left). **26-3125** **49.95**

Deluxe Joystick. Gives accurate cursor control. **26-3012** **22.95**

New! Pistol Grip Joystick. Adds realism to games! **26-3123** **29.95**

3½" Internal Disk Drive. Installation recommended (not included). **25-1065** **169.95**

5¼" External Disk Drive. 25-1060 . . . . . **249.95**

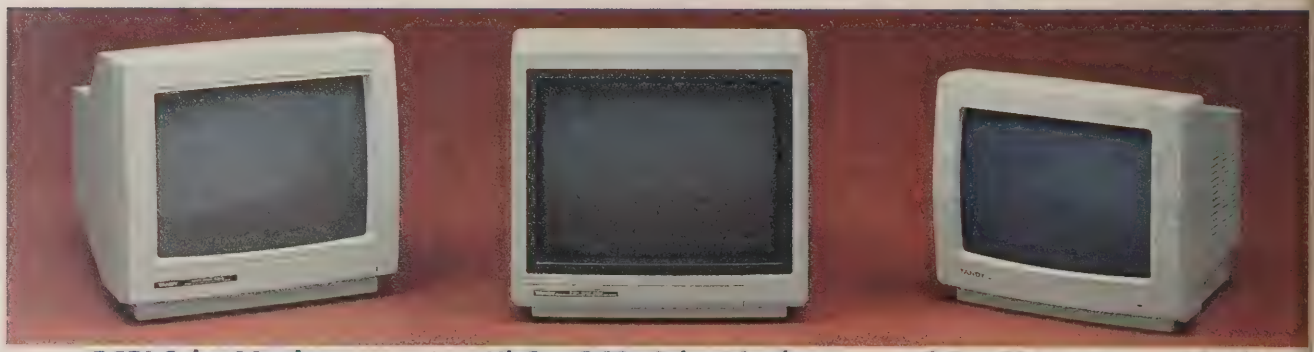
3½" External Disk Drive. 25-1061 . . . . . **279.95**

SmartWatch. Time and date in a chip. **25-1033** **39.95**

The FUNdamentals HX/TX. 25-1186 . . . . . **24.95**

SPECIFICATIONS. Microprocessor: 7.16/4.77 MHz, 8088-2. **Operating System and included Software:** Microsoft MS-DOS, GW-BASIC and Personal DeskMate 2. Phoenix BIOS **Memory:** 256K RAM (expandable to 640K). **On Board Video Support:** Text—80 or 40 characters per line by 25 lines. Graphics—CGA compatible with enhancements; 640 x 200 pixels, 16 color. **Disk Drive:** One 3.5" 720K. **Internal Expansion:** Second 3.5" 720K disk drive. One PLUS-style expansion board or two when used with Memory PLUS Expansion Adapter (25-1062). Clock/calendar (25-1033). **Dimensions:** 3¼ x 17 x 14½". **Weight:** 19 lbs. **Power:** 120 VAC, UL listed. **Certification:** FCC Class B.

Tandy® Computer Monitors, Drives and Accessories



RGBI Color Monitor

299.95 Low As $15 Per Month

CM-5. 13" screen. 80×25 text, 320×200 graphics. For Tandy 1000s or Tandy 1400 LT. UL listed AC. **25-1043** (TSP avail.) . . **299.95**

6' Monitor Extension Cable. For CM-5/11, VM-5 and EGM-1. **26-257** **14.95***

Hi-Res RGBI Color Monitor

399.95 Low As $20 Per Month

CM-11. Large 13" screen displays 80×25 text and stunning 640×200 high-resolution graphics. For all Tandy 1000s or the Tandy 1400 LT portable. UL listed AC.

25-1024 (TSP available) **399.95**

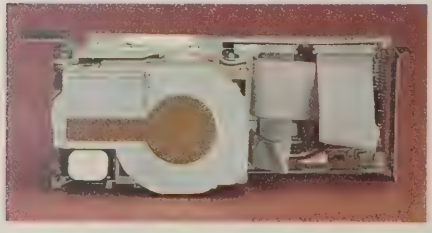
Hi-Res Monochrome Monitor

149.95 Low As $15 Per Month

VM-5. A low-cost workstation monitor for word or data processing applications. The 12" screen displays 80×25 text and 720×350 high-resolution graphics. UL listed AC.

25-3012 (TSP available) **149.95**

User-Installable 20MB and 40MB Hard Disk Cards



NEW LOW PRICES!

Low As **499.95**

Low As $25 Per Month

The easy way to get 20MB or 40MB of hard disk expansion. An excellent choice for the Tandy 1000 family or other PC-compatible computers that accept a 10" device on an 8-bit bus. Includes a thorough installation manual and special installation software.

20MB Hard Disk Card. Was $599.00 in 1989 catalog.
25-1032 (TSP available) **499.95**

40MB Hard Disk Card. Was $799.00 in 1989 catalog.
25-4059 (TSP available) **699.95***

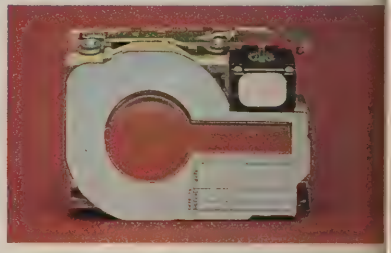
Plug-In SmartDrive™ IDE Hard Disk Drives

NEW FOR '90

Low As **399.95**

Low As $20 Per Month

For the Tandy 1000 TL/2



Expand affordably! Simply mount drive in a 5¼" device slot and plug into the Tandy 1000 TL/2's SmartDrive IDE socket. No card slot is used because a separate controller board isn't required.

20MB SmartDrive IDE Hard Disk Drive.
25-1045 (TSP available) **399.95**

40MB SmartDrive IDE Hard Disk Drive.
25-1046 (TSP available) **599.95***

3½" and 5¼" External Floppy Disk Drives

- **For Tandy 1000 EX/HX**
- **Adds Versatility**

Makes disk backups and file copying much easier. Choose either 3½" or 5¼" for maximum flexibility.

EX/HX 5¼" 360K Floppy Disk Drive.
25-1060 (TSP avail.), **249.95**

EX/HX 3½" 720K Floppy Disk Drive.
25-1061 (TSP avail.), **279.95***

Internal Floppy Disk Drive Expansion Kits

169.95

Low As $15 Per Month

- **Expand Your Computer's Power**
- **Choose 3½" or 5¼" Drives**

5¼" 360K Disk Drive Kit. For Tandy 1000-series computers with half-height front-panel device slots. Installation recommended (not included). **25-1063** (TSP available) **169.95**

3½" 720K Disk Drive Kit. For use with Tandy 1000 HX. Installation recommended (not included). **25-1065** (TSP available) **169.95***

3½" 720K Disk Drive Kit. For Tandy 1000 TL, TL/2. With Adapter Kit (25-1076) unit fits 5¼" half-height front-panel slot. Installation recommended (not included). **25-1075** (TSP available) **169.95***

3½" to 5¼" Adapter Bracket for 3½" Disk Drive Kit. For use with 25-1075 only. **25-1076** **34.95***

*SPECIAL ORDER MAY BE REQUIRED IN SOME STORES / PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS

Expansion and Upgrade Options for the Tandy 1000

Joysticks Add Control and Excitement

29.95

Pistol-Grip Joystick. Our best game stick! Comfortable molded design lets you get a better "grip" on the action for quick response. Delivers precise cursor control to give you the "edge". Self-centering with buttons on joystick and base. For all Tandy 1000-series computers. **26-3123** . . **29.95**

22.95

NEW LOW PRICE! Deluxe Joystick. Accurate cursor control for use with games or graphics-oriented programs such as DeskMate 3. Self-centering or free floating, with fire buttons on base. For all Tandy 1000-series computers. Was $29.95 in 1989 catalog. **26-3012** **22.95**

Simplify Cursor Control With a Mouse

99.95 **49.95** **49.95**

(1) Logitech Serial Mouse.
Three buttons for specialized applications. With DB9 female connector. **26-1199** . . . **99.95***
Three buttons with DB25 male connector. **26-1200** **99.95**

Serial Port Adapter. (Not shown). DB9 male to DB25 female. **26-287** **7.95**

(2) Deluxe Color Mouse. Economical two-button mouse plugs into Tandy 1000 joystick port. 6-pin DIN connector. **26-3125** **49.95**

(3) Tandy Serial Mouse. Microsoft compatible. Two buttons. DB9 female connector. **25-1040** **49.95**

Run Apple IIc® Software on Your 1000

NEW FOR '90

499.00

Get the Best of Both Worlds! Run MS-DOS® and Apple® Software on One Computer!

TRACKSTAR E. Run Apple IIc educational and game software on your Tandy 1000 SX, TX, TL or TL/2. Supports the use of hard disk drives and Apple joysticks or game port devices. Installation required (not included). **25-1038** **499.00***

Tandy 1000 TX and TL require 5¼" disk drive (not included)

Convenient Mouse Hanger

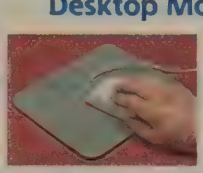
2.49 NEW FOR '90

End Desktop Clutter

(Monitor and mouse not included)

Mouse Hanger. Protects your mouse when not in use by hanging it on the side of your monitor, CPU or desk. **26-275** **2.49**

Desktop Mouse Pad



6.95

For Positive Traction

(Mouse not included)

Mouse Pad. Provides excellent contact and helps keep mouse's roller mechanism clean. 9⅜ × 7⅞". **26-237** **6.95**

Memory Expansion Boards and Kits

128K Memory Kit. Upgrades the Tandy 1000 TX/TL from 640K to 768K and Tandy 1000 SL from 384K to 640K (requires two kits). Contains four 64K × 4 drams. **25-1078** **69.95***

256K Memory Kit. Adds 256K to 25-1062 (below) or expands Tandy 1000 SX from 384K to 640K. **25-1079** **149.95**

Memory PLUS Expansion Adapter. Expands your Tandy 1000 EX/HX to 384K. Provisions for additional 256K and two Plus Upgrade Boards. **25-1062** **149.95**

Time/Date In a Chip

39.95

SmartWatch. A perpetual clock/calendar with battery backup in a chip. Plugs into the BIOS ROM socket. For Tandy 1000, HX, SX, TX and SL. User installable in most PCs. Does not require a card slot.
25-1033 . . . . . **39.95**

EX/HX PLUS Upgrade Boards

PLUS RS-232 Serial Interface. Connects serial devices such as a mouse or modem. DB25 female connector.
25-1031 . . . . . **59.95**

PLUS Upgrade Adapter Board. Allows use of a PLUS Upgrade accessory board in a standard PC card slot.
25-1016 . . . . . **14.95***

Keyboard Expansion Options

119.95

Keyboard Only

101-Key Enhanced Keyboard. For most Tandy and other PC-compatibles. Requires Adapter (25-1030) for Tandy 1000s. **25-4032** **119.95**

Universal Keyboard Adapter. Connect an enhanced 101-key keyboard to a Tandy 1000 or 1000 SX, TX. **25-1030** **99.95***

Extension Cable for 90-Key Keyboards. 26-1389 . . . . **14.95***

Extension Cable for 101-Key Keyboards. 26-256 . . . . . **14.95**

Handy Computer Reference Guides

Learning BASIC. 25-1500 . . . . . 19.95
MS-DOS Vol. 1: The Basics. 25-1506, 7.95
MS-DOS Vol. 2: Advanced Applications. 25-1507 . . . . . 14.95
MS-DOS/GW-BASIC Reference Guide. 25-1508 . . . . . 29.95

Graphics and Sound for the Tandy 1000. 25-1512 . . . . . 7.95
Getting the Most Out of DeskMate 3. 25-1254 . . . . . 21.95
Using DeskMate 3 Training Video. 25-1253 . . . . . 14.95

***SPECIAL ORDER MAY BE REQUIRED IN SOME STORES** Apple and Apple IIc/Reg. TM Apple Computers, Inc.

Tandy® 1000 Education/Productivity Software

Many Learning Programs Feature the DeskMate® User Interface!

NEW! Math Blaster Mystery. Children are challenged to track the Equation Detective through a series of Victorian rooms in a variety of problem-solving math mysteries. Ages 10 and up. **25-1319** . . . **44.95**

Math Blaster Plus. Award winning program helps students master basic math facts using 600 problems. Includes animation, color, sound, and an arcade-style game. Ages 6-11. **25-1200** **44.95**

DeskMate™ User Interface by Tandy — Special Version for Childrens' Use

Speller Bee—It talks! Create 32 spelling lists, each containing 10 words up to 15 letters. Has different levels of difficulty with 150 words each. Ages 5-10. **25-1232** **34.95**

DeskMate™ User Interface by Tandy — Special Version for Childrens' Use

NEW! MathTalk—It talks! Improves skills in addition, subtraction, multiplication and division. Enter math problems and receive graphic and spoken help. Ages 5-13. **25-1272** **34.95**

DeskMate™ User Interface by Tandy

Music Studio 3.0. Create original pieces, or listen to preprogrammed selections. Music Studio provides the tools necessary to compose, edit and play back music. Professional studio features let you design your own instruments. Real-time MIDI input/output. **25-1234** **79.95**

NEW! Where in the USA is Carmen Sandiego? Carmen and her gang are back, and you're off on a wild chase through all 50 states and the District of Columbia. Use the free Fodor's® USA Travel Guide to track Carmen and catch all 16 members of the gang. **25-1318** **39.95**

Reader Rabbit. The fun way to teach your child how to read and improve reading skills. Four animated games help children improve letter and word recognition, memory skills and vocabulary. Games increase in difficulty as your child's skills grow. Special options allow you to customize your child's lesson. Ages 5-7. **25-1216** **44.95**

NEW! Microsoft Learning DOS. An easy-to-follow graphical, interactive tutorial on MS-DOS. Also features a DOS help system for continuing online reference. **25-1320** **44.95**

DeskMate™ User Interface by Tandy — Special Version for Childrens' Use

Children's Writing and Publishing Center. An exciting way to build writing skills, design and print illustrated reports, letters, stories and more. Adds a new dimension to word processing and desktop publishing. Easy-to-use interface menu. **25-1237** **54.95**

The FUNdamentals. Experience the FUNdamentals of computer hardware, software, DOS concepts and commands, DeskMate and more.

The FUNdamentals HX/TX. 25-1186 . . . . . **24.95**

DeskMate™ User Interface by Tandy

The FUNdamentals TL. 25-1233 . . . . **19.95**

The FUNdamentals SL. 25-1236 . . . . **19.95**

DeskMate™ User Interface by Tandy — Personal Productivity Programs for the Entire Family

Homeword II. An updated and more powerful version of the popular HomeWord word processing system. HomeWord II retains the flexibility of HomeWord, but features text screens, pull-down menus and dialogue boxes. Other features include integrated graphics editing, outline processor, thesaurus and spelling checker. **25-1266** **69.95**

NEW! DacEasy Accounting. Award-winning accounting program designed for growing businesses. DacEasy contains seven integrated modules: General Ledger, Accounts Payable, Accounts Receivable, Purchase Orders, Inventory, Billing and Forecasting. You will have complete flexibility to setup customers, vendors, inventory or accounts as well as over 700 reports and "what if" forecasting scenarios for in-depth analysis. **25-1314** **99.95**

DeskMate Q&A Write. The popular, powerful word processor, now under the DeskMate interface! Includes multi-column and label printing (up to 8 across), advanced search and replace, built-in font support and much more. Includes powerful mail merge capabilities and integrated spelling checker. **25-1299** **149.95**

MemoryMate. The free-form way to remember everything . . . and find it fast. MemoryMate works intuitively. Once you enter a record (up to 60 lines each), each word, phrase and date is automatically indexed and cross-indexed. MemoryMate can find that record later using any word, date or phrase in it. **25-1247** **69.95**

DeskMate Form Finisher. Answers one of the biggest needs in business today by letting you fill in preprinted forms quickly and easily using any dot matrix printer. Use it for invoices, shipping forms, legal forms and more—you'll be amazed at the time you'll save. **25-1295** **39.95**

Lotus Spreadsheet For DeskMate

NEW FOR '90

219.95

The power of 1-2-3® and the ease-of-use of the DeskMate Graphical User Interface! Lotus has combined its proven expertise in spreadsheets with DeskMate's format of pull-down menus and mouse-driven "point and click" operation to make business planning, financial analysis and "What if . . . ?" calculations easier than ever. Features three integrated programs: spreadsheet, graphics and database. Reads and writes 1-2-3 Release 2 files. Supports all 1-2-3 cell formats, graphs and formulas. **25-1283** **219.95**

PFS:First Publisher. A unique page layout program that lets you produce attention-getting documents quickly and easily. Publish flyers, memos, announcements and more. **25-1279** **129.00**

Quicken. An easy-to-use program that automates routine household and small business and financial tasks. Features check writing, tax recordkeeping, financial reporting, budgeting and cash management. Quicken works just like your paper checkbook. There's no accounting jargon to learn, no "debits" or "credits". **25-1246** **49.95**

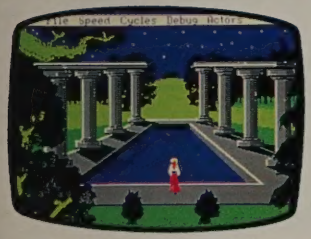
Varsity SCRIPSIT™. A word processor with high-powered features such as a built-in spelling verifier and corrector to help you create error-free documents. Varsity SCRIPSIT is suitable for almost any task from a simple book report to a complex business proposal. Includes split-screen, foot noting, macros, ability to create a table of contents and many of the features you'd expect in a full-featured word processor. Features window function, table of contents creation, footnoting and other great applications. **25-1174** **89.95**

CheckFree. Pay all of your bills in just minutes using the nationwide personal electronic banking service. **25-1285** **39.95**

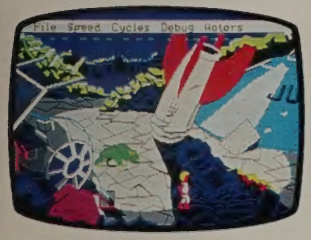
PRICES APPLY AT PARTICIPATING RADIO SHACK STORES AND DEALERS

Tandy® 1000 Game Software for Tons of Fun

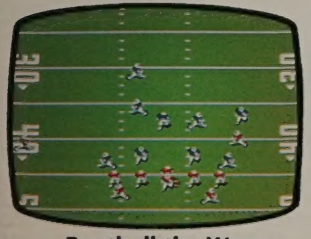
We Have Games for You—From Science Fiction to TV Game Shows



Exciting 3-D Graphics Adventure Set in "King's Quest IV"



Rescue the Andromedans in "Space Quest III"



Football the Way John Madden Likes It—Hard and Fast

NEW! F-19 Stealth Fighter. Fly the fighter the Air Force didn't want to talk about! The F-19 Stealth can't be detected by radar, so you can move in fast and hit hard. **25-1290** **54.95**

King's Quest IV. Travel with Rosella to a mystical land to recover a magic fruit that will restore her father's health. Exciting 3-D images come to life. Complete day and night cycle! **25-1231** **44.95**

Microsoft's Flight Simulator 3.0. Realistic flight action puts you in the cockpit. Learn flight techniques, navigation skills and other procedures. **25-1215** **44.95**

Official TV Game Show. Play the most popular game shows in TV history—right on your computer! This gameshow bonanza includes Jeopardy and both I and II Editions of Wheel of Fortune. **25-1239** **29.95**

NEW! Space Quest III. The adventures of Roger Wilco continue! This time, our hero must rescue the Two Guys From Andromeda, who have been kidnapped by the pirates of Pestulon. **25-1292** **49.95**

NEW! Chessmaster 2100. The latest chess-playing technology! Get stunning 2-D and 3-D graphics, a mammoth opening library, "Hint", "Teaching" and "Show Best Variation" modes and Newcomer to Grandmaster play levels. **25-1291** **44.95**

NEW! Red Storm Rising. Terrorists destroy an oil refinery in Soviet Russia. Russian subs and surface ships race to sink American convoys. Stop them, or Ivan will get you! **25-1293** **49.95**

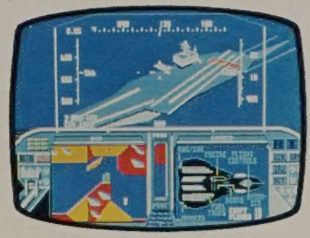
NEW! Silpheed. From the creators of Thexder comes another classic from Japan. A challenge to the coin-ops in animation, visual effects and soundtrack. **25-1294** **34.95**

NEW! John Madden Football. The most sophisticated and realistic football game ever developed. Real players, action, philosophy, plays and coaching decisions. **25-1307** **49.95**

NEW! Pete Rose Pennant Fever. You're not just in the action—you are the action. It's all out, gutsy and aggressive—because Charlie Hustle won't accept anything less. **25-1308** ... **34.95**

NEW! Outrun. The road's all yours. Get a good grip on the wheel. Cruise past the beaches of southern France, California's Death Valley and much more. And leave the others in the dust. **25-1317** **34.95**

NEW! Chuck Yeager's Advanced Flight Trainer 2.0. Climb into the cockpit with Chuck Yeager, the greatest test pilot of them all. Fly 14 different aircraft. **25-1196** **49.95**



Fly America's Top-Secret "F-19 Stealth Fighter"

A bomb explodes in the Kremlin - not the work of Western terrorists, but the climax of a Soviet campaign to confuse the NATO alliance on the eve of their surprise attack!

The Russians are Coming. Stop the "Red Storm Rising"

"Outrun"—the Ultimate in Arcade Simulation

Turn Your Computer Into a Printing and Graphics Workshop!

The New Print Shop

54.95 **Design and Print Program**

u can create personalized eeting cards, signs, calendars ily, weekly, monthly, yearly), sters, banners and more— w with even more flexibility d higher quality graphics. u're limited only by your agination. **25-1298** .. **54.95**

Print Power

19.95 **Print Cards and Posters**

A powerful and flexible print program for home, office and school. Use for flyers, letterheads, notepaper, greeting cards, posters and multi-line banners. Includes six type faces with seven variations each. **25-1226** **19.95**

Paintshow Plus

49.95 DeskMate™ User Interface by Tandy

A complete paint program with built in scanner support and CGA, TGA, EGA and VGA video modes. Create/edit standard graphics files, scan drawings and photos for detailed enhancement and more. **25-1316** **49.95**

Print Magic

54.95 **Use Your Imagination**

Combine text and graphics in virtually any combination you like. Allows you to invert or flip graphics and even resize the images to fit the space. Use the detailed images included or import graphics from other programs. **25-1265** **54.95**

Tandy 1400 PC-Compatible Laptop Computers

Tandy 1400 FD with 2 Built-In 720K 3½" Disk Drives

1499.00

Low As $75 Per Month

The Efficiency and Power of a Desktop Computer You Can Use Anywhere

Tandy 1400 HD with 20MB Hard Drive and 720K 3½" Drive

2499.00

Commercial Lease Available For Only $90 Per Month (Plus Applicable Use/Sales Tax)

Rechargeable Battery Pack Ensures Power When and Where You Need It

- **High Performance 8 MHz Clock Speed**
- **Runs Sophisticated MS-DOS Programs to Increase Productivity**
- **Full-Size Typewriter-Style Keyboard**

Tandy 1400 FD Laptop. A full-function IBM® PC compatible laptop computer for people on the move. Finish reports, write letters and memos, do spreadsheets and more whether you're at home, in the office or on-the-go. The 80×25 supertwist backlit liquid crystal display offers the ultimate in clarity and readability. Two 720K 3½" drives and 768K RAM let you run powerful, industry-standard MS-DOS-based programs. The 1400 Laptop comes with MS-DOS 3.3, GW-BASIC, a real-time clock and parallel printer adapter. There's an RGB monitor output for connecting either a Tandy CM-5 or CM-11 color monitor and an RS-232C serial interface. It also supports an internal modem, an external PC-compatible keyboard and 8087-2 Math Coprocessor. Compare features, performance and price. Then you'll know why the Tandy 1400 Laptop is a tremendous value in portable computers.

25-3501 (TSP available) **1499.00**

Tandy 1400 HD Laptop. Has all of the same outstanding features of the 1400 FD, plus a high-capacity 20-meg hard drive and one 720K 3½" disk drive.

25-3505 (TSP available) **2499.00***

Tandy 1400 FD/HD Accessories

2400-bps Internal Modem. Hayes®-compatible. **25-3524** . . **199.95***

MS-DOS/BASIC Reference Guide. 25-1508 . . . . . **29.95***

Carrying Case. 25-3511 . . . . . **44.95***

Replacement Battery Pack. For the 1400 FD or HD. **25-3521** **79.95***

Internal 20-meg Hard Drive. For the 1400 FD. Requires installation (Not included). **25-3516** **1099.00***

Tandy 1400 LT Accessories

Internal 20-meg Hard Drive. Requires installation (not included). **25-3515** **1199.00***

Replacement Battery Pack. 25-3520 . . . . . **79.95***

Technical Reference Manual. 25-1515 . . . . . **39.95***

SPECIFICATIONS: Microprocessor: 8/4.77 MHz NEC V-20 (8088 equivalent). **Operating System:** Includes MS-DOS 3.3/GW-BASIC. Phoenix BIOS. **Memory:** 768K RAM, 640K accessible by MS-DOS, 128K available for RAM-based disk drive. **Display:** Backlit "Supertwist" LCD, 640×200 pixels, 80×25 characters. **Disk Drives:** FD—Two 720K 3.5 inch HD—One 20-megabyte hard drive and one 720K 3.5 inch. **Keyboard:** Full-size, 76 k **External Connections:** AC Adapter, DB-25 Parallel Printer, DB-9 Serial Port, RGBI C Monitor, External 5¼" Disk Drive, Enhanced Keyboard. **Battery:** Removable 12-Volt, 2 mAh. Extras available. **Dimensions** 3½×12½×14½". **Weight:** FD—11 lbs. HD—11.5 **Certification:** FCC Class B.

Hayes/Reg. TM Hayes Microcomputer. IBM/Reg. TM IBM Corp.

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ica 10	26-3958	Script 12	26-3960
etter Gothic 10/12	26-3959	Prestige Elite 12	26-3961

CIFICATIONS: Memory: 24K. **Display:** 80 × 8 "supertwist" Liquid Crystal Display. **Disk ve:** 128K 2.8" disk drive. **Keyboard:** 70 key. **Print Speed:** 13 characters per second. **nensions:** 5 3/8 × 17 × 16". **Weight:** 18 lbs. **Power:** UL listed AC.

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Portable Disk Drive 2. Uses 3 1/2" 200K disks. Requires 4 "AA" batteries or AC adapter. **26-3814** **219.95***
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TouchBase Systems 1200-bps Portable Modem. 900-704 . **199.00***
TouchBase Systems 2400-bps Portable Modem. 900-2207 . **299.00***
6' Serial Cable. 26-269, 17.95 **6-ft. Printer Cable. 26-227, 34.95**

SPECIFICATIONS: Memory: 22K. **Keyboard:** 62 key. **Display:** 80 × 8 Liquid Crystal Display. **Input/Output:** Parallel printer interface. RS-232C serial interface. Cassette tape interface. **Dimensions:** 1 × 11 3/4 × 8 1/2". **Weight:** 3.1 lbs. **Power:** Requires 4 "AA" batteries or AC adapter. **Certification:** FCC Class B.

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